

20011102.qrp v02_n361.qrl.20011102

Date: Fri, 2 Nov 2001 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2361

QRP-L Digest 2361

Topics covered in this issue include:

- 1) [110246] TROUBLESHOOTING - MFJ-9040
by n5ib@juno.com
- 2) [110247] Re: Resiprocity again
by Bruce Muscolino <w6toy@erols.com>
- 3) [110248] Re: Truffle time typo... is at 0130 UTC NM
by "Mike Malone" <mmalone@worldlogon.com>
- 4) [110249] [re]comparing Sierra and K2
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 5) [110250] Re: TROUBLESHOOTING - MFJ-9040
by Pete Burbank <plburbank@kih.net>
- 6) [110251] Re: Resiprocity again
by Michael Neverdosky <michaeln@cfl.rr.com>
- 7) [110252] Re: [re]comparing Sierra and K2
by "Mike Malone" <mmalone@worldlogon.com>
- 8) [110253] FOX: One hour to go!
by "Aartec" <aartec@dwx.com>
- 9) [110254] Re: Resiprocity again
by Darrel Swenson <k0awb@tconl.com>
- 10) [110255] FOX: 40 meter band conditions - NOT GOOD
by "Tom" <n1tp@worldnet.att.net>
- 11) [110256] RE: TROUBLESHOOTING - MFJ-9040
by "AI2Q Alex" <ai2q@adelphia.net>
- 12) [110257] RE: Prep for SS Weekend
by Nick Kennedy <nkennedy@tcainternet.com>
- 13) [110258] Re: Resiprocity again
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [110259] RE: Resiprocity again
by Nick Kennedy <nkennedy@tcainternet.com>
- 15) [110260] OT: QRP Guitar Amps
by "Mark M." <markem@cervnet.com>
- 16) [110261] FOX: Jerry Light, Allan Bagged
by "N7SG K7FD" <k7fd@hotmail.com>
- 17) [110262] FOX: Got one but...
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [110263] Got Jerry, But K7GT tough....
by Fred Lesnick <flesnick@tbaytel.net>
- 19) [110264] Clean Sweep and a Truffle

- by "George, W5YR" <w5yr@att.net>
- 20) [110265] 2 Foxii in 2 minutes
by N0tk@aol.com
- 21) [110266] Fox Hunt Info on the www???
by "Trevor Jacobs" <fxtech@earthlink.net>
- 22) [110267] Re: Fox Hunt Info on the www???
by "Trevor Jacobs" <fxtech@earthlink.net>
- 23) [110268] Re: Resiprocity again
by "Dennis Payton" <dpayton@fwi.com>
- 24) [110269] FOX: Got both
by "Karl F. Larsen" <k5di@zianet.com>
- 25) [110270] FOX: Got them both...
by "Rod N0RC" <rod@n0rc.com>
- 26) [110271] Re: Fox Hunt Info on the www???
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [110272] Re: Got them both...
by "Rod N0RC" <rod@n0rc.com>
- 28) [110273] More Audio Filter for sale
by "NZ8J" <timcook@erinet.com>
- 29) [110274] FOX: Oregon Makes Iowa Connection
by "N7SG K7FD" <k7fd@hotmail.com>
- 30) [110275] FOX -- One Down, One to Go...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 31) [110276] Running of the Bulls alternative...
by "Rod N0RC" <rod@n0rc.com>
- 32) [110277] Cub Fox Hunt Web Page
by "Karl F. Larsen" <k5di@zianet.com>
- 33) [110278] re:Fox Hunt
by Tim Pettibone <k5oi@cowboy.net>
- 34) [110279] Re: FOX: 40 meter band conditions - NOT GOOD
by Paul Womble <pwomble1@tampabay.rr.com>
- 35) [110280] Re:Fox Hunt
by "Rich Wilkerson" <richqrp@home.com>
- 36) [110281] Re: Comparison of K2 and Sierra?
by "Steven Weber" <kd1jv@moose.ncia.net>
- 37) [110282] Re:Fox Hunt
by "Trevor Jacobs" <fxtech@earthlink.net>
- 38) [110283] Re: FOX: Got them both...
by "George, W5YR" <w5yr@att.net>
- 39) [110284] Re: FOX: 40 meter band conditions - NOT GOOD
by Pete Burbank <plburbank@kih.net>
- 40) [110285] Re: FOX: Got them both...
by "N7SG K7FD" <k7fd@hotmail.com>
- 41) [110286] FOX: Pelt Prices are Up
by "Marshall Emm" <mgemm@mtechnologies.com>
- 42) [110287] Major K2 QRP Dxpediton
by "Walt Wilson" <wwham@earthlink.net>
- 43) [110288] RE: Reciprosity (with a c)

- by "Adrian Weiss" <aweiss@usd.edu>
- 44) [110289] S-Meters and Reciprocity
by "Adrian Weiss" <aweiss@usd.edu>
- 45) [110290] Z-11 tuner by LDG Electronics
by Imk9is@aol.com
- 46) [110291] Even more eQSLs - Just for fun - de AL7FS
by Jim Larsen <AL7FS@ARRL.NET>
- 47) [110292] Contest dissatisfied ?
by John R Kirby <n3aaz-qrp@juno.com>
- 48) [110293] Truffle Info
by "N8IE" <n8ie@woh.rr.com>
- 49) [110294] FOX: LOGS
by Ken Wagner <kewagner@ids.net>
- 50) [110295] Re: LOGS
by "Trevor Jacobs" <fxtech@earthlink.net>
- 51) [110296] Re: Reciprocity again
by Bruce Muscolino <w6toy@erols.com>
- 52) [110297] Re: FOX: 40 meter band conditions - NOT GOOD
by "Karl F. Larsen" <k5di@zianet.com>
- 53) [110298] Re: FOX: LOGS
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 54) [110299] Re: Reciprocity (with a c)
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
- 55) [110300] Re: Reciprocity again
by W2AGN <w2agn@pobox.com>
- 56) [110301] Re: Reciprocity (with a c)
by W2AGN <w2agn@pobox.com>
- 57) [110302] Re: Reciprocity again
by "Steve Thompson" <steve@xcvr.com>
- 58) [110303] QRP HomeBrewer (QHB) Sprint Results
by Ken Newman <N2CQ@dandy.net>
- 59) [110304] RE: Reciprocity (with a c)
by "Tracy Markham" <tracy@bytemark.com>
- 60) [110305] Lighting
by K4BYF@aol.com
- 61) [110306] Re: Lighting
by "Tim A. King Jr." <iflyos@hotmail.com>
- 62) [110307] Re: Reciprocity (with a c)
by Bruce Muscolino <w6toy@erols.com>
- 63) [110308] Reciprocity, Reciprocal es Terman (Long)
by "Chuck Carpenter" <w5usj@globeco.net>
- 64) [110309] computer noise
by Dave Pomeroy <dave@dpomeroy.com>
- 65) [110310] Re: Lighting
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
- 66) [110311] Re: Reciprocity, another consideration...
by "Mike Yetsko" <myetsko@insydesw.com>
- 67) [110312] Surplus Equipment Sale in Broomfield Colorado

- by "Rod N0RC" <rod@n0rc.com>
- 68) [110313] Re: Lighting
by "Mike Yetsko" <myetsko@insydesw.com>
- 69) [110314] Re: QRP HomeBrewer (QHB) Sprint Results
by "ss lyon" <sslyon@megalink.net>
- 70) [110315] Re: Z-11 tuner by LDG Electronics
by cherry@getnet.net
- 71) [110316] FOX: Preliminary results from W0PWE fox hunt 2 Nov 01
by "Aartec" <aartec@dwx.com>
- 72) [110317] Re: Z-11 tuner by LDG Electronics
by "Jim Stamper" <jstamper@shentel.net>
- 73) [110318] RE: Preliminary results from W0PWE fox hunt 2 Nov 01
by palmer_t <ThomasPalmer@colliergov.net>
- 74) [110319] Kenneth Hougland's email
by "Tim A. King Jr." <iflyos@hotmail.com>
- 75) [110320] Re: Reciprocity (with a c)
by cherry@getnet.net
- 76) [110321] Re: Reciprocity, another consideration...
by Pete Burbank <plburbank@kih.net>
- 77) [110322] Re: Lighting
by "Mike Yetsko" <myetsko@insydesw.com>
- 78) [110323] Re: Lighting
by William R Colbert <w5xe@juno.com>
- 79) [110324] HomeBrewer Sprint Rigs...
by "ss lyon" <sslyon@megalink.net>
- 80) [110325] Re: Reciprocity, Reciprocal es Terman (Long)
by "George, W5YR" <w5yr@att.net>
- 81) [110326] Re: Reciprocity, Reciprocal es Terman (Long)
by "Karl F. Larsen" <k5di@zianet.com>
- 82) [110327] Re: Lighting
by "DTX" <dtx@wood.tzo.com>
- 83) [110328] FOX Log for K7GT: Very preliminary
by agtaylor@llnl.gov
- 84) [110329] On changing QRP frequencies
by Jim Glover <psykey@okcforum.org>
- 85) [110330] Re: Preliminary results from W0PWE fox hunt 2 Nov 01
by "Jim Stamper" <jstamper@shentel.net>
- 86) [110331] How do you answer QRL? Abbreviations?
by "Jim Stamper" <jstamper@shentel.net>
- 87) [110332] Re: How do you answer QRL? Abbreviations?
by Bill ROWLETT <kc4atu@yahoo.com>
- 88) [110333] RE: How do you answer QRL? Abbreviations?
by palmer_t <ThomasPalmer@colliergov.net>
- 89) [110334] answer QRL?
by "ss lyon" <sslyon@megalink.net>
- 90) [110335] Re: Lighting
by "Bob Tellefsen" <n6wg@earthlink.net>
- 91) [110336] Re: FOX Log for K7GT: Very preliminary

- by "Rod N0RC" <rod@n0rc.com>
- 92) [110337] QRP Frequencies
by "Karl F. Larsen" <k5di@zianet.com>
- 93) [110338] My Antennas
by "Karl F. Larsen" <k5di@zianet.com>
- 94) [110339] Re: Lighting
by "Karl F. Larsen" <k5di@zianet.com>
- 95) [110340] Reciprocity
by Jim Glover <psykey@okcforum.org>
- 96) [110341] Re: How do you answer QRL? Abbreviations?
by "Rod N0RC" <rod@n0rc.com>
- 97) [110342] FT-817 and 6 Mtrs
by "Chuck Carpenter" <w5usj@globeco.net>
- 98) [110343] RE: answer QRL?
by "AI2Q Alex" <ai2q@adelphia.net>
- 99) [110344] Re: QRP Frequencies
by Bill ROWLETT <kc4atu@yahoo.com>
- 100) [110345] Re: How do you answer QRL? Abbreviations?
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 101) [110346] Re: QRP Frequencies
by W2AGN <w2agn@pobox.com>
- 102) [110347] whence PSK31 on 30m
by "Rod N0RC" <rod@n0rc.com>
- 103) [110348] Re: whence PSK31 on 30m
by cherry@getnet.net
- 104) [110349] RE: DCTL's and apartments
by "Tracy Markham" <tracy@bytemark.com>
- 105) [110350] Re: QRP Frequencies
by Bruce Muscolino <w6toy@erols.com>
- 106) [110351] Re: Lighting
by "Mike Yetsko" <myetsko@insydesw.com>
- 107) [110352] Re: Reciprocity, another consideration...
by "Steven Weber" <kd1jv@moose.ncia.net>
- 108) [110353] Re: QRP Frequencies
by "Brice D. Hornback" <bdh@cyberbound.net>
- 109) [110354] FOX: N2WW probably tomorrow
by "Marshall Emm" <mgemm@mtechnologies.com>
- 110) [110355] BULL: QRP Bulls...Let us know how you're doin'...
by "N7SG K7FD" <k7fd@hotmail.com>
- 111) [110356] Re: QRP Frequencies
by "George, W5YR" <w5yr@att.net>
- 112) [110357] Re: How do you answer QRL? Abbreviations?
by "Brice D. Hornback" <bdh@cyberbound.net>
- 113) [110358] Icom mic AF amplitude ?
by "Leo Starrenburg PE10BG" <pe1obg@home.nl>
- 114) [110359] Re: Icom mic AF amplitude ?
by "George, W5YR" <w5yr@att.net>
- 115) [110360] Re: QRP Frequencies

by Bruce Muscolino <w6toy@erols.com>
116) [110361] Re: FOX: N2WW probably tomorrow
by Pete Burbank <plburbank@kih.net>
117) [110362] Re: whence PSK31 on 30m
by "Phinizy, William" <wphinizy@filenet.com>
118) [110363] FS: SW-40+
by "John Dorson" <jdorson@Worldshare.net>
119) [110364] Re: whence PSK31 on 30m
by "Tim A. King Jr." <iflyos@hotmail.com>
120) [110365] Re: QRP Frequencies
by "Brice D. Hornback" <bdh@cyberbound.net>
121) [110366] Re: QRP Frequencies
by William R Colbert <w5xe@juno.com>
122) [110367] CHAT NITE
by ARDUJENSKI@aol.com
123) [110368] Re: QRP Frequencies
by Garie Halstead <k8kfj@ntelos.net>
124) [110369] Re: Reciprocity (with a c)
by "Ted Williams" <ted@g0ull.fsnet.co.uk>
125) [110370] Soldering silver colored wire.
by Jim Durkin <jimdurkin@yahoo.com>
126) [110371] Dayton Weather
by "Doug Hendricks" <ki6ds@dph.dpol.net>
127) [110372] Re: QRP Frequencies
by "Karl F. Larsen" <k5di@zianet.com>
128) [110373] Re: Reciprocity (with a c)
by "Karl F. Larsen" <k5di@zianet.com>
129) [110374] RE: How do you answer QRL? Abbreviations?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
130) [110375] RE: QRP Frequencies
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
131) [110376] Re: FT-817 and 6 Mtrs
by "Karl F. Larsen" <k5di@zianet.com>
132) [110377] Propagation for SS
by "Paul Harden, NA5N" <na5n@rt66.com>
133) [110378] RE: Reciprocity (with a c)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
134) [110379] RE: QRP Frequencies
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
135) [110380] Re: Reciprocity (with 2 c's!!!)
by W2AGN <w2agn@pobox.com>
136) [110381] Re: QRP Frequencies
by Garie Halstead <k8kfj@ntelos.net>
137) [110382] Example of Reciprocity
by W2AGN <w2agn@pobox.com>
138) [110383] RE: QRP Laser
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
139) [110384] RE: [CLUB] Running of the Bulls - WE NEED MORE BULL!

- by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 140) [110385] Outbacker Joey - My Experience
by Jim Cluett <w1pid@yahoo.com>
- 141) [110386] FOX: Updated log for K7GT
by agtaylor@llnl.gov
- 142) [110387] English course
by "Leo Starrenburg PE10BG" <pe1obg@home.nl>
- 143) [110388] Re: QRP Frequencies
by Bruce Muscolino <w6toy@erols.com>
- 144) [110389] Re: QRP Frequencies
by Bruce Muscolino <w6toy@erols.com>
- 145) [110390] Re: QRP Frequencies
by "Trevor Jacobs" <fxtech@earthlink.net>
- 146) [110391] QRP Bull pulls up lame
by agtaylor@llnl.gov
- 147) [110392] RE: QRP Frequencies
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 148) [110393] RE: QRP Bull pulls up lame
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 149) [110394] Re: Example of Reciprocity
by "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
- 150) [110395] How to be a little gun in a big gun contest
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>

Date: Thu, 01 Nov 2001 19:03:16 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [110246] TROUBLESHOOTING - MFJ-9040
Message-ID: <20011101.180055.7535.2.n5ib@juno.com>

I've got on the bench an MFK-9040 of about 6 or 7 year vintage that I'm looking at for a local QRO OM whom I'm trying to turn away from the Dark Side and onto kinder gentler pursuits :^))

Upon power up a tone (not pure, but not raspy like typical audio stage oscillations) is heard - about 1 kHz or less audio frequency. The pitch is constant, only drifting up in frequency for a minute or so on warmup, It varies in volume from zero to modestly loud with the volume control, it does not "tune" but remains steady in pitch as the main tuning is varied. No difference with (a) dummy load (b) antenna or (c) nothing at all at ant jack. The CW sidetone has a distinctly different pitch and timbre.

New data the tone is definitely associated with C67 - the BFO trimcap. The are settings of C67 that will cause the tone to cease, and others that trigger it. BFO stage is a 602 with a 12 MHz crystal pulled

by C67.

Rx seems OK, signals are heard where they ought to be, Tx puts out a couple of watts or so when and where it ought to be putting out.

I have the manual and schematic and will dive in, but will troll the collective experience of the group for those who may have experienced this rig.

72

Jim N5IB

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 01 Nov 2001 19:08:47 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: k5di@zianet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [110247] Re: Resiprocity again

Message-ID: <3BE1E40F.CBCA0EA3@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Guys,

Engineering terms have exact meanings, they don't depend on what you wish! What you want makes no difference. For once and for all, RECIPROCITY is defined as an equality. Both sides of the equation have to be equal. In Karl's test they were not. The antennas were different. There is no magic in the ionosphere that makes up for different conditions!

If both ends had used the same antenna at the same height maybe they would have been. Think in terms of a mathematical equation, if both sides are not equal then you have not solved it! Forget what you have read on "some web site somewhere"! Web sites can contain bogus information.

73

Date: Fri, 2 Nov 2001 06:25:19 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110248] Re: Truffle time typo... is at 0130 UTC NM
Message-ID: <000001c1639a\$75305620\$78f5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

see re

Date: Thu, 1 Nov 2001 19:39:43 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [110249] [re]comparing Sierra and K2
Message-ID: <200111011940_MC3-E56A-BE60@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Should have said more about what I am looking for. I hope to find a
performance comparison chart like one finds on Elecraft's web page. =

There they give various measurements on a large number of rigs including
the K2, OMNI 6+, Yaesu 1000MP, and many others. =

IE, I am simply interested in how the numbers compare between the Sierra
and the K2. I own both rigs, so am quite interested. =

73,
--Doc/K0EVZ

Date: Thu, 01 Nov 2001 19:49:30 -0500
From: Pete Burbank <plburbank@kih.net>

To: n5ib@juno.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110250] Re: TROUBLESHOOTING - MFJ-9040
Message-ID: <5.0.2.1.0.200111101193937.00ae01e0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jim,
I think I would start by ensuring that all the ground connections were
nailed down tight.
After that check the C's. I use an optovisor for close visual inspection.
73 Pete NV4V

Date: Fri, 02 Nov 2001 00:58:40 +0000
From: Michael Neverdosky <michaeln@cfl.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110251] Re: Reciprocity again
Message-ID: <3BE1A970.28BA02FE@cfl.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While you have your dictionary out you might want to look up the word
POMPOUS

Bruce Muscolino wrote:

>
> Guys,
>
> Engineering terms have exact meanings, they don't depend on what you
> wish! What you want makes no difference. For once and for all,
> RECIPROCITY is defined as an equality.

Date: Fri, 2 Nov 2001 07:03:21 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: <70511.3041@compuserve.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110252] Re: [re]comparing Sierra and K2
Message-ID: <006001c1639e\$c0d435c0\$78f5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doc, as a K2 owner I am curious what YOU think as far as comparisons. I think Dave Redfern has had both too. How about it guys? Opinions, thoughts and comments? I have been quite intrigued by the Sierra and have read the article in the ARRL Handbook more than 1x... inquiring minds wanna know!

-----Original Message-----

From: Wilford D. Lindsey <70511.3041@compuserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, November 01, 2001 6:46 PM
Subject: [re]comparing Sierra and K2

Gang:

Should have said more about what I am looking for. I hope to find a *performance* comparison chart like one finds on Elecraft's web page. There they give various measurements on a large number of rigs including the K2, OMNI 6+, Yaesu 1000MP, and many others.

IE, I am simply interested in how the numbers compare between the Sierra and the K2. I own both rigs, so am quite interested.

73,
--Doc/K0EVZ

Date: Thu, 1 Nov 2001 19:02:43 -0600
From: "Aartec" <aartec@dwx.com>
To: <qrp-l@Lehigh.EDU>
Subject: [110253] FOX: One hour to go!
Message-ID: <000901c1633a\$1415a3a0\$8fdececf@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We have about an hour until the FOX hunt and 40 meters doesn't sound too bad here in Iowa. There is a spanish speaking SSB station on about 7.039 and the county hunters are up there too. Who knows how it will sound in an hour, but right now it looks like I will be hanging out around 7.037 or a little lower. Now back in my hole....

72
Jerry

WOPWE

Date: Thu, 01 Nov 2001 19:12:40 -0600
From: Darrel Swenson <k0awb@tcon1.com>
To: w6toy@erols.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110254] Re: Resiprocity again
Message-ID: <3BE1F308.E74538C2@tcon1.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce...

I have to disagree... As long as the same antenna is used for Transmitting and Receiving at each end the antennas do not have to be the same.

For example: if station A is transmitting 5 watts (+37dBm) has an antenna gain of 3dB, and station B has a MDS of -130dBm, and antenna gain of -3dbm, and is receiving the signal at S5. (Lets assume 6dB per 'S' unit for this example.)

At station A: $+37 + 3 = +40\text{dBm}$
At station B: $-130 - 3 = -127\text{dBm}$ $+30\text{dB}(S5) = -97\text{dBm}$
The path loss between the two stations would be -137 dB.

When station B transmits 5 watts (+37dBm) with his antenna gain of -3dB and station A receives MDS of -130dBm, antenna gain of +3db and S5 we get:

At station B: $+37 - 3 = +34\text{dBm}$
At station A: $-130 + 3 = -127\text{dBm}$ $+30\text{dB}(S5) = -97\text{dBm}$
The path loss is still -137 dB

(I hope a got all the math right!!)

The variables are:
Transmit power
Receiver sensitivity
Noise (or IM) floor at the receiver location
and 'S' meter calibration (or lack of!)

The final variable is a non reciprocal path. I understand the

reciprocity theory and agree with it on line of sight paths. I have however witnessed things I cannot explain on ionosphere and troposphere paths. I will leave that for the propagation experts. I suspect non reciprocal paths do not occur as often as we think they do. 'S' meter calibration and receiver noise floor probably explain a lot more of the one way paths.

72... Darrel... K0AWB

Bruce Muscolino wrote:

>
> Guys,
>
> Engineering terms have exact meanings, they don't depend on what you
> wish! What you want makes no difference. For once and for all,
> RECIPROcity is defined as an equality. Both sides of the equation have
> to be equal. In Karl's test they were not. The antennas were
> different. There is no magic in the ionosphere that makes up for
> different conditions!
>
> If both ends had used the same antenna at the same height maybe they
> would have been. Think in terms of a mathematical equation, if both
> sides are not equal then you have not solved it! Forget what you have
> read on "some web site somewhere"! Web sites can contain bogus
> information.
>
> 73

Date: Thu, 1 Nov 2001 20:14:48 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [110255] FOX: 40 meter band conditions - NOT GOOD
Message-ID: <003d01c1633b\$c4de2e40\$c7984d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

40 meters is not in the best
of shape for tonight's Fox Hunt.

K7FG in CA. is going to be tough
from SW Florida. W0PWE in Iowa
should be much easier. Iowa is pretty much
always a piece of cake from SW Florida.
I wish tonight I had K4FB's yagi

on Paul's 70 foot plus tower.

GO SWAMP RATS!

Good luck to both FOXes and all Hounds.

Tom, N1TP
Naples. "Almost in the Everglades"

Date: Thu, 1 Nov 2001 20:32:31 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <plburbank@kih.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [110256] RE: TROUBLESHOOTING - MFJ-9040
Message-ID: <000201c1633e\$3e27c340\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Then various MFJ rigs that I've repaired here all suffered from flux-joints
(badly soldered connections on the circuit board where the solder did NOT
flow).

== Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Pete Burbank
Sent: Thursday, November 01, 2001 7:50 PM
To: Low Power Amateur Radio Discussion
Subject: Re: TROUBLESHOOTING - MFJ-9040

Jim,
I think I would start by ensuring that all the ground connections were
nailed down tight.
After that check the C's. I use an optovisor for close visual inspection.
73 Pete NV4V

Date: Thu, 1 Nov 2001 19:36:06 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110257] RE: Prep for SS Weekend
Message-ID: <01C1630C.73AA9100.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Chuck--

Glad you're going to be out there giving us WY.

Now if only there were someone in the mythical land of WWA!

72--Nick, WA5BDU

-----Original Message-----

From: Chuck Adams [SMTP:adamsc@moon.pr.erau.edu]

My goal this year --- work more than 1051 Qs in 24 hours and live to tell about it. :-)

Film at 11 on Monday.

dit dit es gl n tst,

Chuck K7Q0/7 this weekend

Date: Thu, 1 Nov 2001 18:44:58 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110258] Re: Resiprocity again
Message-ID: <Pine.LNX.4.33.0111011835000.2529-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 1 Nov 2001, Bruce Muscolino wrote:

> Guys,
>

> Engineering terms have exact meanings, they don't depend on what you
> wish! What you want makes no difference. For once and for all,
> RECIPROCITY is defined as an equality. Both sides of the equation have
> to be equal. In Karl's test they were not. The antennas were
> different. There is no magic in the ionosphere that makes up for
> different conditions!
>
> If both ends had used the same antenna at the same height maybe they
> would have been. Think in terms of a mathematical equation, if both
> sides are not equal then you have not solved it! Forget what you have
> read on "some web site somewhere"! Web sites can contain bogus
> information.

Bruce, I fear your showing your ignorance again. The antenna do NOT need to be the same. Losses due to antenna/feedline are identical on receive or transmit. If Karl hears me on his small antenna or dummy load then if he gets 5 watts out of his transmitter into the thing I should hear him just as well as he hears me.

The thing we can't control is local noise. If my local noise is so large that his signal is lost then that explains the problem. Alas my noise is quite low, like s3.

Web sites are done by people like me. They explore a subject and then put the results down. I enjoy mine and it gets seen quite a bit. They are not all right. But more right than wrong in my experience.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 1 Nov 2001 19:51:18 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110259] RE: Reciprocity again
Message-ID: <01C1630E.938BF700.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Man, this is getting complicated beyond reason:

Camp #1 arguing that reciprocity is an often valid concept.
Camp #2 offering reasons why it is not.

... and the Bruce camp, changing the definition.

72--Nick, WA5BDU

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]
Sent: Thursday, November 01, 2001 6:09 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Resiprocity again

Guys,

Engineering terms have exact meanings, they don't depend on what you wish! What you want makes no difference. For once and for all, RECIPROCITY is defined as an equality. Both sides of the equation have to be equal. In Karl's test they were not. The antennas were different. There is no magic in the ionosphere that makes up for different conditions!

If both ends had used the same antenna at the same height maybe they would have been. Think in terms of a mathematical equation, if both sides are not equal then you have not solved it! Forget what you have read on "some web site somewhere"! Wen sites can contain bogus information.

73

Date: Thu, 01 Nov 2001 19:09:26
From: "Mark M." <markem@cervnet.com>
To: qrp-l@lehigh.edu
Subject: [110260] OT: QRP Guitar Amps
Message-ID: <3.0.6.32.20011101190926.00b07920@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, this is off topic but I know there are a lot of guitar pickers out there so hopefully someone can help. I'd like to build a guitar amp for my daughter, just a small one (five watts or so...that's qrp, right?). I can find lots of tube circuits but haven't run across any solid state circuits. I guess tubes would be fine except that the components are kind of expensive & often hard to find. Surely a five to ten watt amp wouldn't be

too difficult to build. Anyone know of any circuits anywhere on the web?
Any pointers will be appreciated.

Thanks & 73... Mark AA7TA

Date: Thu, 01 Nov 2001 18:19:11 -0800
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [110261] FOX: Jerry Light, Allan Bagged
Message-ID: <F266i5GdnhI1FQhKPJx0001087c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

WOPWE is very light copy into Oregon at this time...hopefully the band will stretch out before the final bell...

John K7FD, K1/Loop

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 1 Nov 2001 19:26:27 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [110262] FOX: Got one but...
Message-ID: <Pine.LNX.4.33.0111011922530.2598-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy, the power line or something is making a lot of noise tonight. I got Allen on his own frequency only because we were strong and he got over the noise. I called him numerous times UP as he asked but he was always going back to stations on his frequency so I called there and he heard me.

Can't even hear WOPWE who I gather is farther down in frequency? will go back and listen to all that noise some more...

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

<http://www.qsl.net/k5di/>

Date: Thu, 01 Nov 2001 21:31:55 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRP Canada <qrp-canada@neale.gpfn.sk.ca>, QRPL <qrp-l@Lehigh.EDU>,
Bruce Rattray <rattray@gpfn.sk.ca>, NA6E <na6e@qsl.net>,
Subject: [110263] Got Jerry, But K7GT tough....
Message-ID: <3BE2059B.A3721958@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nabbed Jerry at about 10 after the hour, nice 599 signal. But K7GT is a tough one to hear, and I can hear many of the hounds(Bruce , nice signal). Will listen and hope the band picks up to the east. W5YR, also nice signal into Thunder Bay.....

Fred
VE3FAL
Raiders Of The Lost R.F.

Date: Thu, 01 Nov 2001 20:33:20 -0600
From: "George, W5YR" <w5yr@att.net>
To: qrp-l@lehigh.edu, netxqrp <netxqrp@qth.net>
Subject: [110264] Clean Sweep and a Truffle
Message-ID: <3BE205F0.7757DA59@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Two more on the old barn door, plus a Truffle from Mike!

Jerry was good but Allan pretty much in the noise.

Clean Sweep tonight! Happy Dance!

GO TORNADOS!!

--
72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Thu, 1 Nov 2001 21:49:00 EST
From: N0tk@aol.com
To: qrp-l@lehigh.edu
Subject: [110265] 2 Foxii in 2 minutes
Message-ID: <dc.e5e0394.2913639c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Found and worked Jerry, then cracked the pile on Allan 2 minutes later. K1 at 5w and the attic dipole here.

72

Dan N0TK

K1 SN585

Highlands Ranch,CO

Date: Thu, 1 Nov 2001 19:02:27 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110266] Fox Hunt Info on the www???
Message-ID: <00d001c1634a\$ce62dd80\$55e5b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought that I had the FOX hunt info bookmarked...evidently not. Can someone give me the link? The link on QRP-L doesn't work, and there's not a link from the CUB FOX page...Thanks...

72/73

Trev

KG6CYN

Date: Thu, 1 Nov 2001 19:09:00 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110267] Re: Fox Hunt Info on the www???

Message-ID: <00e401c1634b\$b898c040\$55e5b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got it...Thanks Paul!
72/73
Trev
KG6CYN

----- Original Message -----
From: Trevor Jacobs <fxtech@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, November 01, 2001 7:02 PM
Subject: Fox Hunt Info on the www???

> I thought that I had the FOX hunt info bookmarked...evidently not. Can
> someone give me the link? The link on QRP-L doesn't work, and there's not
> a
> link from the CUB FOX page...Thanks...
>
> 72/73
> Trev
> KG6CYN
>
>
>

Date: Thu, 1 Nov 2001 22:13:19 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [110268] Re: Reciprocity again
Message-ID: <000301c1634c\$541967e0\$ada854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've always been puzzled by the fact that I seem to get out better here than I receive. I've blamed it on the fact that I've always used verticals, but if that's not it, I can't imagine what it is. Using all kinds of rigs, I almost always give worse reports than I get.

Not wanting to force my one watt on anybody, I usually call "CQ" and

although most of my contacts end up being with QRO stations, sometimes DX, they usually get a worse report than I get, which is embarrassing. Many times I can't hear stations who answer me well enough to talk to them, and I can't remember the last time I gave a QRP'er a better report than I've gotten.

I'm of the opinion that the way to get points in a QRP contest is to call "CQ", but the few times I've tried it haven't worked out. Too many people answer me who I can't make out. Yet as a general rule, everybody who I call hears me. I don't know what to think.

Denny Payton, N9JXY
Auburn, IN

Date: Thu, 1 Nov 2001 20:14:59 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [110269] FOX: Got both
Message-ID: <Pine.LNX.4.33.0111012010320.2657-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Another personal clean sweep. The new Collins mechanical filter really works! It is, of course ahead of where AGC is taken so the frequency sounds clear without any pumping of the AGC. I heard the Mexican SSB and with the lsb on I could understand what they were saying, but with the CW 500 Hz filter it was not even a problem except on certain words.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 1 Nov 2001 20:17:29 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110270] FOX: Got them both...
Message-ID: <012401c1634c\$e7e7d880\$6401a8c0@c919125b>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Within 5min of each other.

What's my secret:

1. Listen
2. Work split
3. Listen

First I tuned around in VFO A and found the Fox station. Then I listened awhile using VFO B. When I found a somewhat quiet spot in the pack, up 500-1000Hz, I sent my call out on VFO B, and listened to the Fox in VFO A. Piece of cake, almost. Too many stations calling on the Fox frequency! And I had the passband dialed down to 200HZ.

Can't say it enough, you can't hear the fox if you are transmitting on his frequency.

What you say? Your rig does not have 2 VFOs? A large majority of the Rigs do have RIT, so try this:

1. Tune the Fox with RIT off, note the Freq and/or dial position
2. Tune up (RIT still off) 500-1000 Hz, don't exceed your RIT range.

Now you should be hearing the pack of hounds.

Find a spot in the pack that is kind of quiet then...

3. Switch on your RIT and tune down until you hear MR/MRS Fox
4. Call away, you will be transmitting up from the Fox and not QRM him/her/it...whatever...;-)

One last tip: One or two calls separated by a few seconds is enough.
If
the Fox calls you, you won't hear if you're transmitting.

73, Rod NØRC
Ft Collins, CO

Date: Thu, 1 Nov 2001 20:18:45 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <fxtech@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110271] Re: Fox Hunt Info on the www???
Message-ID: <Pine.LNX.4.33.0111012017240.2683-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can fix that. Do you think a link from the Cub Fox main page to the regular Fox page be helpful? I can do that because I'm the webmaster.

On Thu, 1 Nov 2001, Trevor Jacobs wrote:

> I thought that I had the FOX hunt info bookmarked...evidently not. Can
> someone give me the link? The link on QRP-L doesn't work, and there's not a
> link from the CUB FOX page...Thanks...
>
> 72/73
> Trev
> KG6CYN
>
>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Thu, 1 Nov 2001 20:22:23 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110272] Re: Got them both...
Message-ID: <014801c1634d\$9763b450\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To clarify,

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 01, 2001 8:17 PM

Subject: FOX: Got them both...

> 3. Switch on your RIT and tune down until you hear
> MR/MRS Fox
>

...tune down USING THE RIT CONTROL until...

R.

Date: Thu, 1 Nov 2001 22:39:33 -0500

From: "NZ8J" <timcook@erinet.com>

To: <qrp-1@Lehigh.EDU>

Subject: [110273] More Audio Filter for sale

Message-ID: <01d301c1634f\$fd328fc0\$6122fea9@nec>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

1. MSC "Smart Filter" scaf design, variable hi and low pass with leds showing the passband. On CW the controls vary the bandwidth and center frequency. Excellent filter. looks and works good. with wall cube power supply - \$78

2. JPS NRF-7 DSP filter, autonotch, peaking, W and N CW and SSB, Data position, 10 different fixed filters in all. Looks and works great. -\$78

3. JPS NF-60 DSP autonotch only works fine at normal listening levels, but when volume is turned up loud it will overdrive the filter at times and distort. Under normal conditions, it works fine. will sell for \$28

priority mail shipping included in the CONUS

please email for more info if necessary

Thanks

Tim

NZ8J

Date: Thu, 01 Nov 2001 19:39:51 -0800
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [110274] FOX: Oregon Makes Iowa Connection
Message-ID: <F115wwXACF5ESjtj9R5F0000bba0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Nice to hear KB7WW and AA7XA...and yours truly finally make it through...

...but the solar condx made it rough out at the end of the Oregon Trail,
Jerry!

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 1 Nov 2001 21:38:29 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110275] FOX -- One Down, One to Go...
Message-ID: <200111020338.AA01724@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Took just on 1.5 hours to get Jerry, now trying to weed Allan
out of the noise/hounds. He's riding just above the noise here.
Fingers crossed... :-)

72/73,

Todd, AG0T

Date: Thu, 1 Nov 2001 20:46:51 -0700

From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"Elecraft-list" <elecraft@qth.net>
Subject: [110276] Running of the Bulls alternative...
Message-ID: <015601c16351\$027223a0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WALKING OF THE WIMPS ;-)

Ok not everyone enjoys machine gun CW and rapid fire QSOs. So in the light hearted spirit that The Zombie Shuffle (because Zombies don't Sprint) was created. I announce The Walking of the Wimps. The rules are simple and flexible

1. Don't work SS
2. Do something else

That's it! Here are some ideas for "something else":

1. Take the family to a movie
2. Take the dog for a walk
3. Take the family for a hike in woods
4. Take the dog and the family for a walk in the woods
5. Take a bike ride.
6. Watch football
7. Watch baseball
8. Watch football and baseball
9. Work some PSK, CW or SSB on the WARC bands
10. wash the car, OK bad idea...;-)

Scoring:

- 1 point for anything (non-radio) you do by yourself, up to a maximum of 10 points
- 1 bonus point for doing something with the family and 1 extra bonus point for each family member participating (1/2 point for dogs), no point maximum
- 1 point for each WARC band QSO for a maximum of 50 pts
- 50 points if you bother to keep score
- 100 points if you keep score AND post it to QRP-L

Well that's it, have fun. If I've forgotten something make up the rules as you go along.

With Tongue firmly in cheek...

73, Rod NØRC
Ft Collins, CO

Date: Thu, 1 Nov 2001 20:51:10 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [110277] Cub Fox Hunt Web Page
Message-ID: <Pine.LNX.4.33.0111012049420.2702-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just put a link to the "regular" Fox web page on the Cub Fox page near the bottom. Just click on FOX and your there.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 01 Nov 2001 22:02:46 -0600
From: Tim Pettibone <k5oi@cowboy.net>
To: qrp-l@lehigh.edu
Subject: [110278] re:Fox Hunt
Message-ID: <5.1.0.14.0.20011101215954.009ef8b0@cowboy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Well, purple horse feathers! Heard and worked Jerry but it took awhile. That Allan fellow, however, was elusive. Up and down, and he never did hear my pitiful calls. Still that's 2 for 4...not bad for an inside (not even an attic) antenna. And since my plane was late last night, the airline lost my luggage, and I got about 3 hours sleep - I'm still having fun.

Tim K5OI

Stillwater, OK

Date: Thu, 01 Nov 2001 23:10:43 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: n1tp@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110279] Re: FOX: 40 meter band conditions - NOT GOOD
Message-ID: <3BE21CC2.DD343A22@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wish I had Paul's 40m yagi up on the tower too!!

The West Coast was a difficult thing tonight. Now I'm battin' .750

73
K4FB

Tom wrote:

> I wish tonite I had K4FB's yagi
> on Paul's 70 foot plus tower.
>
> GO SWAMP RATS!

Date: Thu, 1 Nov 2001 20:12:25 -0800
From: "Rich Wilkerson" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110280] Re:Fox Hunt
Message-ID: <001201c16354\$944c0fe0\$f5460418@elcjin1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, all I was able to do was get Jerry and that took some doing.
Never heard Allen, but had too much fun anyway.

72,
Rich, WD6FDD
Santee, Ca.

Date: Fri, 2 Nov 2001 00:28:44 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: 70511.3041@compuserve.com
Cc: qrp-1@lehigh.edu
Subject: [110281] Re: Comparison of K2 and Sierra?
Message-ID: <200111020458.fA24wAs31196@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Has there been a comparison of the K2 with the Wilderness Sierra? Just

I don't think the comparison would be fair, it's too much an "apples and oranges" type of thing. Two vastly different types of radios.

OTOH, a comparison between the K1 and Sierra would be much fairer, as they are more similar in size, weight, battery consumption, price and now band coverage. If one were to pick between a K1 and Sierra to buy new today, the K1 would most likely be the clear winner.

Disclaimer:

I do not, nor have I ever, owned a K1, K2 or Sierra - though I might someday...

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Thu, 1 Nov 2001 20:58:29 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <richqrp@home.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110282] Re:Fox Hunt
Message-ID: <001501c1635b\$04b30760\$3f9bb2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Was the exact opposite here! Allen was pretty strong, and I heard people calling Jerry, but didn't hear him in there. Hahaha well, I'm still 50 %

lot's of fun too! I'm going to be in WI in a couple of weeks on business, and am going to set up the inverted vee out the 3rd floor window again. Will be fun to try and work the FOX from another QTH. I'll be taking the FT-817. Thanks to both FOXes for taking the time to do this tonight. Sure is helping with my CW trying to copy all of the fast exchanges! Take care...

72/73

Trev

KG6CYN

----- Original Message -----

From: "Rich Wilkerson" <richqrp@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 01, 2001 8:12 PM

Subject: Re:Fox Hunt

> Well, all I was able to do was get Jerry and that took some doing.
> Never heard Allen, but had too much fun anyway.
>
> 72,
> Rich, WD6FDD
> Santee, Ca.
>

Date: Thu, 01 Nov 2001 23:24:49 -0600

From: "George, W5YR" <w5yr@att.net>

To: rod@n0rc.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [110283] Re: FOX: Got them both...

Message-ID: <3BE22E21.FF9EEDAB@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Rod, the basic problem comes up when the Fox, for whatever reason, starts working callers on his frequency. Once he starts that, self-preservation takes over and control of the pileup is lost.

I think that we all want to cooperate with the Fox's wishes and not take advantage of the situation but when you call time after time up 1 or 2 KHz and the Fox keeps coming back to the guys within 100 Hz of his frequency, you do the obvious and add to the mess.

I worked Jerry first pelt/first call the way you described and almost always work that way. But Allen was a special case tonight, and like many

others, I got him "the easy way." But I do not like working that way, anymore than you do.

Just one addition to your excellent list: use QSK at all times so that you can keep up with what the Fox is doing.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Rod N0RC wrote:

>
> Within 5min of each other.
>
> What's my secret:
>
> 1. Listen
> 2. Work split
> 3. Listen
>
> First I tuned around in VFO A and found the Fox station. Then I
> listened awhile using VFO B. When I found a somewhat quiet spot in the
> pack, up 500-1000Hz, I sent my call out on VFO B, and listened to the
> Fox in VFO A. Piece of cake, almost. Too many stations calling on the
> Fox frequency! And I had the passband dialed down to 200HZ.
>
> Can't say it enough, you can't hear the fox if you are transmitting on
> his frequency.
>
> What you say? Your rig does not have 2 VFOs? A large majority of the
> rigs do have RIT, so try this:
>
> 1. Tune the Fox with RIT off, note the Freq and/or dial
> position
>
> 2. Tune up (RIT still off) 500-1000 Hz, don't exceed
> your RIT range.
>
> Now you should be hearing the pack of hounds.
>
> Find a spot in the pack that is kind of quiet then...
>
> 3. Switch on your RIT and tune down until you hear
> MR/MRS Fox
>
> 4. Call away, you will be transmitting up from the Fox

> and not QRM him/her/it...whatever...;-)
>
> One last tip: One or two calls separated by a few seconds is enough.
> If
> the Fox calls you, you won't hear if you're transmitting.
>
> 73, Rod NØRC
> Ft Collins, CO

Date: Fri, 02 Nov 2001 00:26:46 -0500
From: Pete Burbank <plburbank@kih.net>
To: pwomble1@tampabay.rr.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110284] Re: FOX: 40 meter band conditions - NOT GOOD
Message-ID: <5.0.2.1.0.20011102000119.00ad8e20@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:10 PM 11/1/2001 -0500, Paul Womble wrote:
>I wish I had Paul's 40m yagi up on the tower too!!
>
>The West Coast was a difficult thing tonight. Now I'm battin' .750
>
>73
>K4FB
>
>Tom wrote:
>
> > I wish tonite I had K4FB's yagi
> > on Paul's 70 foot plus tower.
> >
> > GO SWAMP RATS!

Paul . you were strong here through S-7 noise
The coon dawgs may be ok. My friend Bad Billy N4ALG is on the team .
Whatever happens it is a whole lot of fun!
The really wonderful thing about foxhunts is the sense of fairness and
patience
by most Ops.
73 to all
Pete NV4V Ky

Date: Thu, 01 Nov 2001 21:40:26 -0800

From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [110285] Re: FOX: Got them both...
Message-ID: <F75o2TT2dspjPybMxqp000176d9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Being nearly dead center between CA and IA didn't hurt either ;)

73 John K7FD

>Rod N0RC wrote:
> >
> > Within 5min of each other.
> >
> > What's my secret:
> >
> > 1. Listen
> > 2. Work split
> > 3. Listen

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 1 Nov 2001 22:41:28 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [110286] FOX: Pelt Prices are Up
Message-ID: <3BE1CF98.21180.2234DE1@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Or so it says here...

<http://www.furs.com/FUR/FurAge43.html>

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

Date: Fri, 2 Nov 2001 05:59:39 -0100

From: "Walt Wilson" <wwham@earthlink.net>

To: <qrp-1@lehigh.edu>

Subject: [110287] Major K2 QRP Dxpedition

Message-ID: <NFB BKDCIMLDHHEDJODLEMEGGCFAA.wwham@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Work Jamaica QRP! The guys of "Team Vertical" will be leaving the amps and big rigs back home and going down to Jamaica with five Elecraft K2's. But don't let that fool you, as the gang will be using their world-class vertical antenna system by Force 12. QRP never sounded so loud!

QRP operations will be from November 20-26, 2001. The gang is specifically going down to Jamaica to be active in the CQ WW CW Contest on November 24-25, going for North American QRP single band records. They would really appreciate a contact during the contest.

Is it possible to operate a contest without caffeine? (not likely!) So Team Vertical is giving you a chance to win some world renowned Jamaican Blue Mountain Coffee! The fastest stations to work us during the CQ WW CW Contest will win the coffee. QRP and QRO stations compete for the same prizes, and a total of 25 bags of coffee will be awarded. Check out www.k2kw.com for details about the awards and operation.

Pre-contest QRP activity will be on 10-160m. There will be a dedicated 6m rig running high power. Outside the contest, operators will sign homecall/6Y5.

During the CQ WW CW contest, the following callsigns will be used for single band QRP efforts:

6Y1A on 10m; K2KW op

6Y9A on 15m; KE7X op

6Y2A on 20m; N6XG op

6Y4A on 40m; N6BT op

6Y8A on 80m; W0YK op

6Y0A on 160m; K2KW op

QRP Tactics: While our transmit signal may be a bit weaker than normal, we can easily hear your QRP signals with our high performance antennas! If you can hear us, we should be able to hear you. If you can't break the pileup after a few calls, try moving your transmit frequency slightly higher or lower to gain our attention. If the pileup is too big, try calling us again in a few minutes when it might be easier to get through. Good luck, and CU on the bands!

QSL Information: QSL all QRP Jamaica DXpedition callsigns via WA4WTG. Special "QRP Jamaica" QSLs will be printed.

WA4WTG will QSL all contacts made by this operation for: 6Y0A, 6Y1A, 6Y2A, 6Y4A, 6Y8A, 6Y9A, K2KW, N6BT, KE7X, N6XG, W0YK.

For additional information, go to www.k2kw.com.
Questions about the operation can go to: k2kw@prodigy.net

73, Kenny K2KW

Date: Fri, 02 Nov 2001 08:56:01 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [110288] RE: Reciprocity (with a c)
Message-ID: <GM5V9Q01.58B@mail.usd.edu>

Hi all:

The TH6DXX at 60ft vs the MP-1 overlooks a very simple aspect of propagation -- path geometry which is defined by a given ant's radiation pattern. Assuming that both rx and tx ant's exhibit very similar patterns in both azimuth and elevation, then we have the basic condition for reciprocity. Check out my diagrams and discussion in JOY OF QRP pp. 111-112 in the section "IV Weak Signal = Poor Propagation?" The raytraces plotted for a given real ionospheric path (ionosound readings) demonstrate the simple path geometry principle. If a vastly superior ant running 100w is putting most of its power at an elevation angle which causes most of the power to touch down away from a QRP station running 5w with a minimal antenna whose major lobe lobs all of his power at exactly the right angle to touch down at the QRO end, then the QRP signal will actually be stronger at the QRO than the QRO at the QRP end. The example being discussed exactly fits, except for the fact that the MP-1 vs the TH6DXX greatly magnifies the situation.

72, Ade

Date: Fri, 02 Nov 2001 09:07:48 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [110289] S-Meters and Reciprocity
Message-ID: <GM5VTD02.Z8F@mail.usd.edu>

Hi again:

Reliance on an S-Meter is a bogus measurements approach. Everyone knows about calibration variation across the range of the scale. The S-meter is in no way a "scientific" instrument. It is in the class of "bells & whistles". If it were a reliable instrument, measuring the various parameters of rx performance would be a lot easier.

72, Ade

Date: Fri, 2 Nov 2001 02:28:08 EST
From: Imk9is@aol.com
To: qrp-1@lehigh.edu
Subject: [110290] Z-11 tuner by LDG Electronics
Message-ID: <107.7f96d06.2913a508@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am thinking about ordering the Z-11 for use at my cabin, which is nearly every weekend. I currently take my K1 with built it auto tuner, but would also like to use other rigs which do not have a built in tuner. I will use this tuner, should I buy it, with 300 or 450 ohm balanced feedline thru a 4:1 balun.

I would appreciate hearing from others who have or have used this product. What do you think of it? You're input will be appreciated.

imk9is@arrl.net, or answer on the reflector.
Thanks
Steve Whitton K9IS

Date: Fri, 02 Nov 2001 00:08:28 -0900
From: Jim Larsen <AL7FS@ARRL.NET>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [110291] Even more eQSLs - Just for fun - de AL7FS
Message-ID: <3BE2628C.42C3DF23@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

As of tonight, the following date ranges have been input to eQSL at
<http://www.eqsl.org/qsldata/index.cfm> .

27 August 2000 through 3 April 2001

The last batch included Spartan Sprints for Jan, Feb and April as well
as FYBO and an ARCI Fireside.

A couple of notes: In the SSB Fireside, 50% of 67 Ops use eQSL.
In CW contacts, 39% of 53 Ops use eQSL

If eQSLs interest you and we worked during those dates, there is an eQSL
waiting for you.

Card stock QSLs are also available via normal methods through the mail.

Just for fun.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

Date: Fri, 2 Nov 2001 06:13:05 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [110292] Contest dissatisfied ?
Message-ID: <20011102.061502.-223995.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Want to try something neat
and not abandon the realm or freedom of QRP CW ?

Check out 'QRSs and You'.

Start here . . .
<http://www.weaksignals.com/>
then go here . . .
<http://www.lwca.org/>

John
N3AAZ
FM 19 xa

GET INTERNET ACCESS FROM JUNO!
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<http://dl.www.juno.com/get/web/>.

Date: Fri, 2 Nov 2001 06:47:07 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "FPqrp-1" <fpqrp-1@mpna.com>, "QRP-1" <qrp-1@lehigh.edu>
Subject: [110293] Truffle Info
Message-ID: <001c01c16394\$1988f440\$0200a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For some of you not in the know, here is the schedule for the Flying Pigs Truffle hunts.
It runs 30 minutes before the Fox hunts and gives you a chance to warm up and check props.
Same general rules as Fox Hunts apply, post your results to either QRP-1 or the Pigs reflector.

http://www.mpna.com/fpqrp/pig_hunt.html

We have plenty of dates still open, this would be great for you would be Foxii or anyone wanting a small taste of what it's like on the other end.

If you want to be a truffle, email me at w8pig@yahoo.com with the date(s) you would like.

72, oo

Dan, N8IE
FPqrp #-6, FISTS #4985
I have a SOC # but I forgot it!

Date: Fri, 02 Nov 2001 07:20:48 -0500
From: Ken Wagner <kewagner@ids.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110294] FOX: LOGS
Message-ID: <4.3.2.7.2.20011102071729.00af0f00@pop3.ids.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Larry:

When you gonna post your log for LAST weeks hunt???

Maybe there should be a \$72,000,000 fine and banishment from the woods for a month for those Fox who don't get their logs posted in a reasonable time... unless there is a death in the family, of course.

73, Ken K3IU

Date: Fri, 2 Nov 2001 04:43:49 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <kewagner@ids.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110295] Re: LOGS
Message-ID: <007101c1639c\$05b23e60\$cde2b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think he was having problems with his PC if I remember correctly. Maybe he could call someone and give them the log to post?

72/73
Trev
KG6CYN

----- Original Message -----
From: Ken Wagner <kewagner@ids.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, November 02, 2001 4:20 AM
Subject: FOX: LOGS

> Larry:
>
> When you gonna post your log for LAST weeks hunt???
>
> Maybe there should be a \$72,000,000 fine and banishment from the woods for
> a month for those Fox who don't get their logs posted in a reasonable
> time... unless there is a death in the family, of course.
>
> 73, Ken K3IU
>

Date: Fri, 02 Nov 2001 07:48:58 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: michaeln@cfl.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [110296] Re: Resiprocity again
Message-ID: <3BE2963A.56DDD332@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael,

I understand the meaning of pompous, do you understand the meaning and purpose of rigorous definition in engineering terms? They are carefully defined to have the same meaning whenever used to promote accurate information exchange!

>
> While you have your dictionary out you might want to look up the word
>
> POMPOUS
>
> Bruce Muscolino wrote:
> >
> > Guys,
> >
> > Engineering terms have exact meanings, they don't depend on what you
> > wish! What you want makes no difference. For once and for all,
> > RECIPROCITY is defined as an equality.

Date: Fri, 2 Nov 2001 06:18:38 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110297] Re: FOX: 40 meter band conditions - NOT GOOD
Message-ID: <Pine.LNX.4.33.0111020616260.1304-1000000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You were making it as far as Las Cruces, NM Paul. I think you were there in California but so were a lot of other signals. The Fox just never was looking where you were at the right time.

On Thu, 1 Nov 2001, Paul Womble wrote:

> I wish I had Paul's 40m yagi up on the tower too!!
>
> The West Coast was a difficult thing tonight. Now I'm battin' .750
>
> 73
> K4FB
>
> Tom wrote:
>
> > I wish tonite I had K4FB's yagi
> > on Paul's 70 foot plus tower.
> >
> > GO SWAMP RATS!
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 02 Nov 2001 08:19:10 -0500
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: kewagner@ids.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110298] Re: FOX: LOGS

Message-ID: <5.1.0.14.2.20011102081509.02680880@172.22.1.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:20 11/2/2001 -0500, Ken Wagner wrote:

>Larry:

>

>When you gonna post your log for LAST weeks hunt???

>

>Maybe there should be a \$72,000,000 fine and banishment from the woods for
>a month for those Fox who don't get their logs posted in a reasonable
>time... unless there is a death in the family, of course.

Only valid if it was his own... and then he should have invoked the
contingency backup plan. ... I mean whadaya think, this isn't just a hobby
after all!

:)

=====
Dave Gingrich, K9DC - Indianapolis, Indiana USA
K2 #2211, K1 #931, QRP-L #2376, ARS #1109, CCIE #6748
=====

Date: Fri, 2 Nov 2001 08:20:25 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [110299] Re: Reciprocity (with a c)
Message-ID: <4F76B3D4A76AD111803B00A0C9893D9C06ED8EF0@cninexchsrv05>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Good Morning,

It seems to me that the theory of reciprocity is sound. However, like a
lot of theories, it works better in the lab than the real world. The theory
assumes all other factors being equal, which usually are far from equal.
When you consider all the other factors working for or against it in the
real world it is easy to understand why it doesn't always work the way the
theory says it should.

73 de N9KH

Date: Fri, 2 Nov 2001 08:29:20 -0500
From: W2AGN <w2agn@pobox.com>
To: "Karl F. Larsen" <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110300] Re: Resiprocity again
Message-ID: <01110208292000.10698@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 01 November 2001 20:44, Karl F. Larsen wrote:

> On Thu, 1 Nov 2001, Bruce Muscolino wrote:
> > Guys,
> >
> > Engineering terms have exact meanings, they don't depend on what you
> > wish! What you want makes no difference. For once and for all,
> > RECIPROCITY is defined as an equality. Both sides of the equation have
> > to be equal. In Karl's test they were not. The antennas were
> > different. There is no magic in the ionosphere that makes up for
> > different conditions!
> >
> > If both ends had used the same antenna at the same height maybe they
> > would have been. Think in terms of a mathematical equation, if both
> > sides are not equal then you have not solved it! Forget what you have
> > read on "some web site somewhere"! Web sites can contain bogus
> > information.
>
> Bruce, I fear your showing your ignorance again. The antenna do NOT need
> to be the same. Losses due to antenna/feedline are identical on receive or
> transmit. If Karl hears me on his small antenna or dummy load then if he
> gets 5 watts out of his transmitter into the thing I should hear him just
> as well as he hears me.
>
> The thing we can't control is local noise. If my local noise is so
> large that his signal is lost then that explains the problem. Alas my
> noise is quite low, like s3.
>
> Web sites are done by people like me. They explore a subject and
> then put the results down. I enjoy mine and it gets seen quite a bit. They
> are not all right. But more right than wrong in my experience.

--

Well, while we are bandying definitions, I have one:

asinine adj. Like an ass, obstinately stupid or silly, doltish.

Not saying who it fits (maybe both). As they say, if the shoe fits.....

(Yes, maybe even me...there, that saved someone a post...)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 2 Nov 2001 08:40:38 -0500
From: W2AGN <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110301] Re: Reciprocity (with a c)
Message-ID: <01110208403801.10698@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Friday 02 November 2001 08:20, Harris Keith E CONT CNIN wrote:

> Good Morning,
> It seems to me that the theory of reciprocity is sound. However, like
> a lot of theories, it works better in the lab than the real world. The
> theory assumes all other factors being equal, which usually are far from
> equal. When you consider all the other factors working for or against it in
> the real world it is easy to understand why it doesn't always work the way
> the theory says it should.
>
> 73 de N9KH

--

AGN? (As in..huh?)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 2 Nov 2001 06:42:12 -0700
From: "Steve Thompson" <steve@xcvr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110302] Re: Reciprocity again
Message-ID: <200111020642.AA130613468@xcvr.com>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Alright guys. Enough already. We're preparing to ramp up another version of Elmer 101. In response to a promotional article posted at QRZ.COM, quite a few new people are coming to QRP-L for the first time, so they can participate in Elmer 101.

And, these kinds of posts are their first ones they see!

Doug and several others had an excellent suggestion to keep Elmer 101 here on QRP-L, instead of using another listserver. I'd prefer keep things here too, but it becomes tempting to go elsewhere when the signal-to-noise ratio drops off.

Please ... let's get back into the business of producing fruitful posts.

72

Steve N7TX

----- Original Message -----

From: W2AGN <w2agn@pobox.com>

Reply-To: w2agn@pobox.com

Date: Fri, 2 Nov 2001 08:29:20 -0500

>On Thursday 01 November 2001 20:44, Karl F. Larsen wrote:

>> On Thu, 1 Nov 2001, Bruce Muscolino wrote:

>> > Guys,

>> >

>> > Engineering terms have exact meanings, they don't depend on what you
>> > wish! What you want makes no difference. For once and for all,
>> > RECIPROCITY is defined as an equality. Both sides of the equation have
>> > to be equal. In Karl's test they were not. The antennas were
>> > different. There is no magic in the ionosphere that makes up for
>> > different conditions!

>> >

>> > If both ends had used the same antenna at the same height maybe they
>> > would have been. Think in terms of a mathematical equation, if both
>> > sides are not equal then you have not solved it! Forget what you have
>> > read on "some web site somewhere"! Web sites can contain bogus
>> > information.

>>

>> Bruce, I fear your showing your ignorance again. The antenna do NOT need
>> to be the same. Losses due to antenna/feedline are identical on receive or
>> transmit. If Karl hears me on his small antenna or dummy load then if he
>> gets 5 watts out of his transmitter into the thing I should hear him just
>> as well as he hears me.

>>

>> The thing we can't control is local noise. If my local noise is so

>> large that his signal is lost then that explains the problem. Alas my
>> noise is quite low, like s3.
>>
>> Web sites are done by people like me. They explore a subject and
>> then put the results down. I enjoy mine and it gets seen quite a bit. They
>> are not all right. But more right than wrong in my experience.
>
>--
>
>Well, while we are bandying definitions, I have one:
>
>asinine adj. Like an ass, obstinately stupid or silly, doltish.
>
>Not saying who it fits (maybe both). As they say, if the shoe fits.....
>
>(Yes, maybe even me...there, that saved someone a post...)
> -----
> John L Sielke W2AGN
> w2agn@pobox.com
> <http://www.qsl.net/w2agn>
>

Date: Fri, 02 Nov 2001 08:34:26 -0500
From: Ken Newman <N2CQ@dandy.net>
To: QRP-L@lehigh.edu, njqrp@njqrp.org, n9avg@amsat.org
Subject: [110303] QRP HomeBrewer (QHB) Sprint Results
Message-ID: <3.0.6.32.20011102083426.007e9dc0@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
Here is the results for the Fall QHB Sprint.
Awards and prizes will come later.
I hope all enjoyed the sprint. Look for the next one
on March 25, 2002 0000z!

72 de Ken N2CQ@ARRL.NET

Fall QRP Homebrewer Sprint Results

Call	Mode	QSOs	Points	X SPCs	X PWR	= Score
K5ZTY	CW	83	332	47	7	109,228
AK7Y	CW	84	336	46	7	108,192
K7RE	CW	82	328	45	7	103,320
K0EVZ	CW	70	280	38	7	74,480
W0PWE	CW	45	176	35	10	61,600
N0TK	CW	50	200	33	7	46,200
NQ7X	CW	40	160	28	7	31,360
AA1MY	CW	40	160	26	7	29,120
W2AGN	Mixed	28	116	23	10	26,680
AD6GI	CW	34	136	23	7	21,896
W0UFO	CW	27	108	20	7	15,120
N7CEE	CW	19	76	15	10	11,400
N0RC	CW	31	62	21	7	9,114
KW4JS	CW	19	76	16	7	8,512
AA3SJ	CW	17	68	11	10	7,480
KA3WMJ	CW	18	72	14	7	7,056
W1PID	CW	18	72	13	7	6,552
K4GT	CW	15	60	12	7	5,040
N3MK	PSK	12	60	11	7	4,620
N2APB	CW	12	48	9	10	4,320
N2CX	CW	14	56	10	7	3,920
W3BBO	CW	10	40	9	10	3,600
NA5N	CW	17	34	13	7	3,094
W4NJK	CW	11	44	7	7	2,156
K1SWL	CW	12	24	9	7	1,512
WB7AEI	CW	6	24	4	7	672
KD7CTF	CW	4	16	4	7	448
WC7S	CW	5	10	4	7	280
N1EI	CW	2	6	2	7	84
W6EMD	PSK	1	5	1	7	35

Checklogs:

WQ2RP	CW	74	288	42	7	82,320
-------	----	----	-----	----	---	--------

(NJQRP Club Station, N2CQ Opr)

-----OPERATOR COMMENTS-----

K5ZTY:

Another good NJQRP Club contest. Condx were good even though we had quite a bit on QRN here in TX from thunderstorms in the area. Thanks to those

who stayed with me thru several repeats when the noise got bad. Thanks to Ken for promoting and scoring again. WQ2RP was loud.

Bill

AK7Y:

Thanks for another great QRP HB Sprint. I am sure glad that you posted to call for logs. I have been putting off the entry, working on a new SW-30+ kit, and time slips by when building new rigs!

Greg

K7RE:

Good conditions and very nice turnout too.

No 15M activity found this time around. I did CW only.

Rig: K-2, 3 el trapped tribander at 35 feet, half square on 40M.

Fell short of the Spring contest totals by 18 QSO's

Sure enjoyed myself, I also got to try out my new 40M Half Square antenna before the rest of the contest season begins.

Brian

W0PWE:

Rigs: 20M Manhattan SST, 40M CSS Rcvr and NN1G Xmtr both Manhattan sytle.

15 and 80M TS140S. Antennas: Multiband dipoles.

20M was fun while it lasted. 40M and 80M had summer like QRN.

Jerry

N0TK:

NC20 and K1 built by N0TK. Attic dipole antennas for 20 and 40.

Dan

K0EVZ:

Will be interested in seeing how this log compares to the top scorers.

Usually I don't send in logs, but may change as I get more familiar with computers and keyboards.

Doc

NQ7X:

GOOD PROPAGATION AND PARTICIPATION, BUT AS USUAL I ONLY GOT LESS THAN 2 HOURS OP TIME. FUN THOUGH AND THANKS TO KEN N2CQ AND THE NJ CLUB FOR SPONSORING.

Floyd

AA1MY:

Propagation seemed good, but turnout seemed light...

maybe 'cuz I missed first two hrs?

The skip zones were clearly visible when plotted on a map, esp. on 20m. Odd, but NA5N's unmistakable sound is usually heard/worked at the end of my 'tests. Thanks to NJQRP for running this great event... cu nxt sprng!

Seab

W2AGN:

An real challenge doing without my trusty K1 or K2 and using the SST and NC40A.

PSK-80 Warbler was a gem though, but where were the NJQRP PSK31 stations?

John

AD6GI:

Great group of operators! Good ears and very patient with my occasional bad keying as I got excited as my exchange rate increased. Still lots of fun and

am already planning for next year. See you then.

Many thanks to Ken and the NJ Gang for their effort. It is much appreciated.

Chuck

W0UFO:

Had an MS-15 ready for 15 but heard no signals. Lots of noise with sigs on 40. Had fun on 20 but it was a cold nite at the cabin so quit early.

Used an NC-20 and Red Hot NC-40 with 20m dipole & longwire on 40.

Mert

N7CEE:

Elecraft K2 running 1 watt into a 40 meter vertical.

Bruce

N0RC

Sure miss my K2 for these events, but had to yield to economic realities.

BUT NEXT TIME I'LL BE USING MY K1 (recently acquired)!!! ;-)

Looking forward to the Mar 2002 event!

Rig:KNWD 570D(G) @ 5W - Ant: Attic Dipole @ 20ft

Rod

KW4JS:

Elecraft K2 - Homebrew Xcvr - Pwr 5 Watts

John

AA3SJ:

I just completed this rig last week and decided to give it a try. The direct conversion receiver made it difficult to use in contesting.

Using 700mW, my final was a 3N3904 (Hi!). Band conditions were also

rough. At my QTH I have a strong shortwave station that comes on at about 11:00 PM each evening and it overwhelms the rcvr. Overall this

was a lot of fun, but definately a challenge. This is the first contest that I actually worked for a score. Thanks NJ QRP for sponsoring it.

Ed

KA3WMJ:

Really enjoy these Sprints with the K2 but I need to improve my antennas for close in stations. Thanks for all your help.

Ken

K4GT:

Elecraft K2 - 4W

Jim

N3MK:

Fair condx but not a lot going on on PSK. Ran PSK-31 only with PSK-20 and Warbler

Rig: PSK-20 and Warbler into MFJ 934 tuner into dipole

Don

N2APB:

Short time spent, and correspondingly small score, but I had a great time. It's always exciting to hear and QSO with the various calls we see on the Lists, the hamfests and the QRP weekends.

Most notable experience during the sprint was hearing N2CX waaaaay down in the noise with a ton of people trying to get him. During my repeated tries for him as well, a dog wandered over to the SLVPV antenna and relieved himself on the base ... I was too busy trying to get Joe and just decided to let the dog go. I ultimately bagged N2CX and attributed it to the added ground conductivity of the antenna.

Homebrew setup here: Wilderness Sierra running 1W, NorCal BLT Tuner, St. Louis QRP Society "Vest Pocket Vertical" antenna, and scratch-built W9GR DSP-1 audio filter. Location: local school soccer field in Forest Hill, MD.

George

NA5N:

I only ended up able to work about an hour and a half, from about 0200-0400UTC with a couple of interruptions. Blew a water pump in the car Saturday, so spent Sunday dropping the new one in ... which of course took far longer than planned :-(Remember when you could change a water pump WITHOUT having to relocate a hundred hoses, pull the radiator, oil coolers, transmission lines, etc.? Geez! So sorry I wasn't able to participate longer, and with local sunset kicking in, propagation was sadly mostly out west. Although I did work WQ2RP and Sean AA1MY with fairly good signals.

Still had fun though, and a nice way to wind down after playing master mechanic. (which I ain't)

I like the Sunday and the time slot. Keep it.

LOCATION: From the house, about 15 mi. N of Socorro, NM

RIG: SG-2020 (just fixed for a friend) running 5W

PWR: A Wal-Mart 12V lawn mower battery

ANT: Full-length G5RV and St. Louis Tuner (homebrew)

KEY: Homebrew paddles (not a kit)

72, Paul NA5N

W4NJK:

Rig K1 # 49; G4ZPY minipaddles; 40M halfsquare wire from CA, near San Jose.
Second time with the K1 and great participation noted on 20 and 40.
Lots of QSB and odd condx on 20; but 40 was excellent once it got to the
West Coast. Heard WQ2RP most of the night and K0EVZ for a while but no luck
getting through. Very enjoyable, thought I would hear more stations at less
than 5W but Condx may have kept them to local QSOs
TNX NJQRP and all for good operations all around.

72, Charlie, W4NJK

K1SWL:

Thanks for managing this event! Good conditions and activity levels,
but had to QRT about an hour into the Sprint- our son called to say his
car had

died- that took 2 hours to square away. I really regret not having an
antenna up

for 80M - the 'Warbler' is sure feeling neglected!

Rig: FT-840/battery- 5W - 20M dipole @40 ft

72- Dave- K1SWL

WB7AEI:

The conditions didn't seem bad on 40M, but QRP'ers were weak
and piled on top of each other. There weren't many standout
signals, except for the encroaching QRO QRM, and of course
Doc K0EVZ. Run my Pixie in this - no way!

This was all 40 meters with my homebrew DC receiver, 1 watt
VFO transmitter, and 5 watt MOSFET amplifier. For that
matter, my keyer, battery charger, tuner, SWR meter, and
antenna are homebrew also.

72's and tnx for some fun - Phil WB7AEI

KD7CTF:

K2 at 5W into ground-mounted Hustler vertical. Bands were vry noisy here.

73's, Lee, KD7CTF

WC7S:

With this much fun, in only half hour of operation,
look for me in next test for sure!!

Dale

N1EI:

XMTR: Sorta TT2. This is actually a Little Joe built on a TT2 board and
mounted in a tuna can. The keying transistor is mounted on it's own little
board and is hidden inside the can under the main board. Power out is
about 1.25W using a 2N4401 oscillator transistor and 2N5321 final PA. A
seven element external 40M low pass filter was used in addition to the 3

element filter on the board.

VXO: Sorta Doug DeMaw design. The oscillator stage is a JFET source follower VXO right out of one of his books with a two stage buffer/amp from another one of his designs grafted on to it. Impedance matching between the VXO and the Sorta TT2 was handled by an MFJ long wire antenna tuner. Frequencies covered: 7.039 - 7.043.

Keyer: An Oak Hills board kit (designed for the 2 band Classic maybe?) mounted in it's own little box.

RCVR: I wanted to use my 2 tube regen (built from the QRP Power article by Dave Newkirk.) But the VXO's poor shielding put out such a strong signal when turned on that regen detector pulling prevented my from zero beating the receiver to my xmtr. So I used my back up rcvr - a Hammarlund HQ-180. Got to shield that VXO better. Maybe putting a bottom on the box would be a good place to start. :-)

XMTR antenna tuner: ZM-2.

Antennas: 80M doublet at 50' for the xmtr, and 85' wire at about 20' for the rcvr.

My unoptimized setup here kept me from putting in much of a contest effort. I had to turn the VXO on and off for each call (so I could hear anyone on the off chance that they called me back) and the itty bitty switch that I put on it wasn't really designed for that. Hope to make a better effort next time.

Thanks for a fun contest!

Charlie Fitts, N1EI

W6EMD:

My gear: Rig..Small Wonder Labs PSK-20
Ant..KLM KT-34A at 30'
Software...Digipan
Computer...586 running Win98SE
72, Dave, W6EMD, Redwood City, CA

N2CX:

Rig: Sierra with window line fed 40M dipole/ZM-2 tuner.
Joe

WQ2RP:

Rig: Elecraft K1 on 40 and 20, Kenwood on 80m,
TA33jr tribander & center fed Zepp.
Thanks for the activity, Folks! I hope you enjoyed it.

Look for the Spring QHB Sprint on March 25, 2002 0000z.
72 de Ken N2CQ Opr

72 de
Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
FM29jt
N2CQ@ARRL.NET

Date: Fri, 2 Nov 2001 09:01:57 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [110304] RE: Reciprocity (with a c)
Message-ID: <NFBBKLDHALEHCJMAJPKFKEDMCFAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Y'all can wage the war on rec. (abbrev lol) but consider how many times each of us have worked someone that we hear great and the other station has trouble hearing us and vice versa (emphasis on the vice here ...)

In Central Florida several times per year we experience a phenomena called a 'temperature inversion' (which I don't fully understand), which seems to insanelly 'amplify' signals in the upper frequencies like 10 and 6 meters. Two stations inside the 'bubble' will be able to give one another very strong signals with relatively low exp. A station outside the 'bubble' will sound strong to those inside it, but to the outside station even QRO transmissions from within the 'bubble' are greatly attenuated.

Even HF signals can be affected by various Tropospheric conditions, which rarely occur at both ends of a path.

Nope, no scientific data, just empirical results. Rec. (abbrev) is a fairy tale for me.

Perpetual energy machines are a theory as well, but no one has been able to prove that one either.

My 2c
Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of W2AGN

Sent: Friday, November 02, 2001 8:41 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Reciprocity (with a c)

On Friday 02 November 2001 08:20, Harris Keith E CONT CNIN wrote:

> Good Morning,

> It seems to me that the theory of reciprocity is sound. However, like
> a lot of theories, it works better in the lab than the real world. The
> theory assumes all other factors being equal, which usually are far from
> equal. When you consider all the other factors working for or against it
> in

> the real world it is easy to understand why it doesn't always work the way
> the theory says it should.

>

> 73 de N9KH

--

AGN? (As in..huh?)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 2 Nov 2001 09:12:13 EST
From: K4BYF@aol.com
To: qrp-l@lehigh.edu
Subject: [110305] Lighting
Message-ID: <134.3f4c45e.291403bd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I do all of my soldering and fabricating on a card table in my shack. I use a table lamp for lighting but it is insufficient. Any suggestions??

Date: Fri, 02 Nov 2001 09:23:42 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>

To: K4BYF@aol.com, qrp-1@Lehigh.EDU
Subject: [110306] Re: Lighting
Message-ID: <F43YCT4aJ6pkNzPZrIk000000094@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I found a swing arm incandescent (sp) clamp mount desk lamp at Office Depot for \$15.99. It is rated to accept a 100w bulb, and it works really well. The benefit of being able to swing it across the entire operating position/workbench is great! They also have the ones with the magnifying glass but some of them looked really cheap, and the good one that looked like it would really hold up was \$69.95

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

Albert Einstein (1879-1955)

-----Original Message Follows-----

From: K4BYF@aol.com
Reply-To: K4BYF@aol.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Lighting
Date: Fri, 2 Nov 2001 09:12:13 EST

I do all of my soldering and fabricating on a card table in my shack. I use a table lamp for lighting but it is insufficient. Any suggestions??

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 02 Nov 2001 09:34:04 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: tracy@bytemark.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [110307] Re: Reciprocity (with a c)
Message-ID: <3BE2AEDC.2FC5A242@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tracy,

A temperature inversion cannot amplify anything, n[more than a rain cloud can! A temperature inversion is a physical condition where the temperature decreases up to a certain altitude and then suddenly reverses itself and starts to increase! Nothing mysterious about that, it is a well known atmospheric condition well known to all pilots. But it does not have any magical properties to amplify signals. What you may be seeing is increased ionospheric reflection within the inversion area and greater attenuation for signals going through it.

83

Date: Fri, 02 Nov 2001 08:37:08 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [110308] Reciprocity, Reciprocal es Terman (Long)
Message-ID: <3.0.2.32.20011102083708.00834160@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Reciprocity, Reciprocal

>From the latin word "reciprocus" - returning the same way, alternating=85

Quoting from Terman, Fourth Edition, 22-18 Rayleigh-Carson Reciprocity Theorem (page 858)

"There are various reciprocal relations that relate the properties of waves traveling in one direction to the properties of waves traveling in the opposite direction, and similarly connect the properties possessed by an antenna when transmitting with the properties possessed in reception. These relations are incorporated in reciprocal theorems, the most important of which was formulated by Rayleigh and extended to include radio communication by John R. Carson. It is to the effect that, *if an electromotive force E inserted in antenna 1 causes a current I to flow at a

certain point in a second antenna 2, then the voltage E applied at this point in the second antenna will produce the same current I (both in magnitude and phase) in a short circuit at the point in antenna 1 where the voltage E was originally applied.* [**italics**]

"The Rayleigh-Carson theorem fails to be true only when the propagation of the radio waves is appreciably affected by the presence of the earth's magnetic field. It thus holds for all practical radio work except for long-distance communication involving the ionosphere. Even then it can be expected to apply to results averaged over a reasonable interval of time, even though it cannot be depended upon to be exactly correct at every given moment.

"The Rayleigh-Carson theorem shows that in radio communications between two fixed points, the same behavior as to signal strength, optimum frequency, etc., is to be expected irrespective of which end of the circuit is the transmitting end and which is the receiving end. The theorem also provides a means of relating the transmitting and receiving properties of antennas,=
=85"

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Fri, 02 Nov 2001 09:38:11 -0500
From: Dave Pomeroy <dave@dpomeroy.com>
To: qrp-l@Lehigh.EDU
Subject: [110309] computer noise
Message-ID: <5.1.0.14.0.20011102093724.009e92b0@mail.dpomeroy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

My pc is giving me noise on 80 and 40 meters. What kind of split cores should I put on the computer cables? Thanks for the help.

Dave Pomeroy K8DNP South Western Michigan

Date: Fri, 2 Nov 2001 09:41:18 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [110310] Re: Lighting
Message-ID: <4F76B3D4A76AD111803B00A0C9893D9C06ED8EF1@cninexchsrv05>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If you can afford one with the magnifying lens and the donut shaped
flourescent bulb, that would be the way to go. The magnifier really helps
and the donut shaped bulb doesn't cast shadows. It also stays cooler too.
They can be a bit dear though.

73 de N9KH

Date: Fri, 2 Nov 2001 09:46:17 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110311] Re: Reciprocity, another consideration...
Message-ID: <001e01c163ad\$319c3f60\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, this is getting out of hand with all the 'what if' and 'but
technically' kind of statements, so I REALLY don't want to get
drawn in.

But I'd just like to ask how many people considered something very
basic about this whole mess.

ASSUMING the rigs were the same, and yes, I know the antennas
were different.

But, how many people were assuming the signals paths were the same?
It doesn't have to be so.

Mike

Date: Fri, 2 Nov 2001 07:47:52 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [110312] Surplus Equipment Sale in Broomfield Colorado
Message-ID: <001f01c163ad\$5a3417e0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From 9 news in Denver Colorado
(http://9news.com/consumer/office_deals.htm):

A sure sign that the recession has arrived in Colorado is the number of businesses that are closing their doors-- and liquidating. As bad as the news is, there is a small upside for consumers. In Broomfield, a warehouse full of office furniture, computers and other items from some 30 failed businesses is on sale to the public. Most items are used and priced about 50% off retail.

The public sale starts November 1 and runs through November 22nd. Hours of operation Monday-Friday 10am until 6pm and Saturdays 10am until 1pm. It's at 2400 Industrial Lane in Broomfield. For more information call--303-947-0651 or click this link to the National Remarketing Service, and then click on "Public Sale".

73, Rod NØRC
Ft Collins, CO

Date: Fri, 2 Nov 2001 09:52:42 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <K4BYF@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110313] Re: Lighting
Message-ID: <002801c163ae\$12429fa0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I do all of my soldering and fabricating on a card table in my shack. I use a
> table lamp for lighting but it is insufficient. Any suggestions??

A decent lamp with a magnifier is, in my mind, the best. But 'decent' might mean a \$9 lamp at the local salvage place to some, and it might mean a \$400 multi-arm and balanced ergonomic lamp to others.

A friend does a lot of surface mount, and I got tired of working in his garage without one, so I bought a \$260 lamp from Contact East with a circular bulb around a magnifier.

And charged it to him...

But since I rather doubt he'd sit still for you charging your lamp to him, consider what it is you want. If it's just light, a \$9 gooseneck may be fine. In fact, that's what I have on my bench in the garage, which is where I built 90% of my K2. I have a plywood workbench and to build the K2 I put down about 4 old diapers (washed, of course!) as a 'soft deck' to work on. The white background helped too. I kept a nice big magnifying glass handy as well, one with a handle to a 3x5 glass slab that I got at Wal-Mart for about \$6.

Now I see Radio Shack has a nice lighted magnifier on sale for \$15. NO WAY do I expect that to be as nice as what I charged to my friend for his shop, but I'm thinking of supplementing my little gooseneck light with this thing.

Mike

Date: Fri, 2 Nov 2001 10:15:06 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <N2CQ@dandy.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110314] Re: QRP HomeBrewer (QHB) Sprint Results
Message-ID: <006101c163b1\$27bddcc0\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Ken Newman" <N2CQ@dandy.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 02, 2001 8:34 AM
Subject: QRP HomeBrewer (QHB) Sprint Results

> Hi All,
> Here is the results for the Fall QHB Sprint.
> Awards and prizes will come later.
> I hope all enjoyed the sprint. Look for the next one
> on March 25, 2002 0000z!

>
> 72 de Ken N2CQ@ARRL.NET

>
>
> Fall QRP Homebrewer Sprint Results

> -----
> Call Mode QSOs Points X SPCs X PWR = Score
> -----
> K5ZTY CW 83 332 47 7 109,228
> AK7Y CW 84 336 46 7 108,192
> K7RE CW 82 328 45 7 103,320
> K0EVZ CW 70 280 38 7 74,480
> W0PWE CW 45 176 35 10 61,600
> N0TK CW 50 200 33 7 46,200
> NQ7X CW 40 160 28 7 31,360
> AA1MY CW 40 160 26 7 29,120
> W2AGN Mixed 28 116 23 10 26,680
> AD6GI CW 34 136 23 7 21,896
> W0UFO CW 27 108 20 7 15,120
> N7CEE CW 19 76 15 10 11,400
> N0RC CW 31 62 21 7 9,114
> KW4JS CW 19 76 16 7 8,512
> AA3SJ CW 17 68 11 10 7,480
> KA3WMJ CW 18 72 14 7 7,056
> W1PID CW 18 72 13 7 6,552
> K4GT CW 15 60 12 7 5,040
> N3MK PSK 12 60 11 7 4,620
> N2APB CW 12 48 9 10 4,320
> N2CX CW 14 56 10 7 3,920
> W3BBO CW 10 40 9 10 3,600
> NA5N CW 17 34 13 7 3,094
> W4NJK CW 11 44 7 7 2,156
> K1SWL CW 12 24 9 7 1,512
> WB7AEI CW 6 24 4 7 672
> KD7CTF CW 4 16 4 7 448
> WC7S CW 5 10 4 7 280
> N1EI CW 2 6 2 7 84

```

> W6EMD    PSK      1          5      1      7      35
>
> Checklogs:
> WQ2RP    CW      74          288    42      7    82,320
> (NJQRP Club Station, N2CQ Opr)
>
> -----OPERATOR COMMENTS-----
>
> K5ZTY:
> Another good NJQRP Club contest.  Condx were good even though we had
quite
> a bit on QRN here in TX from thunderstorms in the area.  Thanks to those
> who stayed with me thru several repeats when the noise got bad.  Thanks
to
> Ken for promoting and scoring again.  WQ2RP was loud.
> Bill
> -----
> AK7Y:
> Thanks for another great QRP HB Sprint.  I am sure glad that you posted
> to call for logs.  I have been putting off the entry, working on a new
> SW-30+ kit, and time slips by when building new rigs!
> Greg
> -----
> K7RE:
> Good conditions and very nice turnout too.
> No 15M activity found this time around.  I did CW only.
> Rig: K-2, 3 el trapped tribander at 35 feet, half square on 40M.
> Fell short of the Spring contest totals by 18 QSO's
> Sure enjoyed myself, I also got to try out my new 40M Half Square
> antenna before the rest of the contest season begins.
> Brian
> -----
> W0PWE:
> Rigs: 20M Manhattan SST, 40M CSS Rcvr and NN1G Xmtr both Manhattan sytle.
> 15 and 80M TS140S. Antennas: Multiband dipoles.
> 20M was fun while it lasted. 40M and 80M had summer like QRN.
> Jerry
> -----
> N0TK:
> NC20 and K1 built by N0TK. Attic dipole antennas for 20 and 40.
> Dan
> -----
> K0EVZ:
> Will be interested in seeing how this log compares to the top scorers.
> Usually I don't send in logs, but may change as I get more familiar
> with computers and keyboards.
> Doc
> -----

```

> NQ7X:
> GOOD PROPAGATION AND PARTICIPATION, BUT AS USUAL I ONLY GOT
> LESS THAN 2 HOURS OP TIME. FUN THOUGH AND THANKS TO KEN N2CQ
> AND THE NJ CLUB FOR SPONSORING.
> Floyd
> -----
> AA1MY:
> Propagation seemed good, but turnout seemed light...
> maybe 'cuz I missed first two hrs?
> The skip zones were clearly visible when plotted on a map,
> esp. on 20m. Odd, but NA5N's unmistakable sound is usually
> heard/worked at the end of my 'tests. Thanks to NJQRP for
> running this great event... cu nxt spring!
> Seab
> -----
> W2AGN:
> An real challenge doing without my trusty K1 or K2 and using the SST
> and NC40A.
> PSK-80 Warbler was a gem though, but where were the NJQRP PSK31 stations?
> John
> -----
> AD6GI:
> Great group of operators! Good ears and very patient with my occasional
bad
> keying as I got excited as my exchange rate increased. Still lots of fun
> and
> am already planning for next year. See you then.
> Many thanks to Ken and the NJ Gang for their effort. It is much
appreciated.
> Chuck
> -----
> W0UFO:
> Had an MS-15 ready for 15 but heard no signals. Lots of noise with sigs
> on 40. Had fun on 20 but it was a cold nite at the cabin so quit early.
> Used an NC-20 and Red Hot NC-40 with 20m dipole & longwire on 40.
> Mert
> -----
> N7CEE:
> Elecraft K2 running 1 watt into a 40 meter vertical.
> Bruce
> -----
> N0RC
> Sure miss my K2 for these events, but had to yield to economic realities.
> BUT NEXT TIME I'LL BE USING MY K1 (recently acquired)!!! ;-)
> Looking forward to the Mar 2002 event!
> Rig:KNWD 570D(G) @ 5W - Ant: Attic Dipole @ 20ft
> Rod
> -----

> KW4JS:
> Elecraft K2 - Homebrew Xcvr - Pwr 5 Watts
> John
> -----
> AA3SJ:
> I just completed this rig last week and decided to give it a try. The
> direct conversion receiver made it difficult to use in contesting.
> Using 700mW, my final was a 3N3904 (Hi!). Band conditions were also
> rough. At my QTH I have a strong shortwave station that comes on at
> about 11:00 PM each evening and it overwhelms the rcvr. Overall this
> was a lot of fun, but definately a challenge. This is the first contest
> that I actually worked for a score. Thanks NJ QRP for sponsoring it.
> Ed
> -----
> KA3WMJ:
> Really enjoy these Sprints with the K2 but I need to improve my antennas
> for close in stations. Thanks for all your help.
> Ken
> -----
> K4GT:
> Elecraft K2 - 4W
> Jim
> -----
> N3MK:
> Fair condx but not a lot going on on PSK. Ran PSK-31 only with PSK-20 and
> Warbler
> Rig: PSK-20 and Warbler into MFJ 934 tuner into dipole
> Don
> -----
> N2APB:
> Short time spent, and correspondingly small score, but I had a great
time.
> It's always exciting to hear and QSO with the various calls we see on the
> Lists, the hamfests and the QRP weekends.
> Most notable experience during the sprint was hearing N2CX waaaaay down in
> the noise with a ton of people trying to get him. During my repeated
tries
> for him as well, a dog wandered over to the SLVPV antenna and relieved
> himself on the base ... I was too busy tring to get Joe and just decided
to
> let the dog go. I ultimately bagged N2CX and attributed it to the added
> ground conductivity of the antenna.
>
> Homebrew setup here: Wilderness Sierra running 1W, NorCal BLT Tuner, St.
> Louis QRP Society "Vest Pocket Vertical" antenna, and scratch-built W9GR
> DSP-1 audio filter. Location: local school soccer field in Forest Hill,
MD.
> George

> -----
> NA5N:
> I only ended up able to work about an hour and a half, from about
> 0200-0400UTC with a couple of interruptions. Blew a water pump in the
> car saturday, so spent sunday dropping the new one in ... which of
> course took far longer than planned :-(Remember when you could change
> a water pump WITHOUT having to relocate a hundred hoses, pull the
> radiator, oil coolers, transmission lines, etc.? Geez! So sorry I
> wasn't able to participate longer, and with local sunset kicking in,
> propagation was sadly mostly out west. Although I did work WQ2RP and
> Sean AA1MY with fairly good signals.
> Still had fun though, and a nice way to wind down after playing master
> mechanic. (which I ain't)
> I like the sunday and the time slot. Keep it.
> LOCATION: From the house, about 15 mi. N of Socorro, NM
> RIG: SG-2020 (just fixed for a friend) running 5W
> PWR: A Wal-Mart 12V lawn mower battery
> ANT: Full-length G5RV and St. Louis Tuner (homebrew)
> KEY: Homebrew paddles (not a kit)
> 72, Paul NA5N
> -----
> W4NJK:
> Rig K1 # 49; G4ZPY minipaddles;40M halfsquare wire from CA,near San Jose.
> Second time with the K1 and great participation noted on 20 and 40.
> Lots of QSB and odd condx on 20; but 40 was excellent once it got to the
> West Coast. Heard WQ2RP most of the night and K0EVZ for a while but no
> luck
> getting through. Very enjoyable, thought I would hear more stations at
> less
> than 5W but Condx may have kept them to local QSO s
> TNX NJQRP and all for good operations all around.
> 72, Charlie, W4NJK
> -----
> K1SWL:
> Thanks for managing this event! Good conditions and activity levels,
> but had to QRT about an hour into the Sprint- our son called to say his
> car had
> died- that took 2 hours to square away. I really regret not having an
> antenna up
> for 80M - the 'Warbler' is sure feeling neglected!
> Rig: FT-840/battery- 5W - 20M dipole @40 ft
> 72- Dave- K1SWL
> -----
> WB7AEI:
> The conditions didn't seem bad on 40M, but QRP'ers were weak
> and piled on top of each other. There weren't many standout
> signals, except for the encroaching QRO QRM, and of course
> Doc K0EVZ. Run my Pixie in this - no way!

> This was all 40 meters with my homebrew DC receiver, 1 watt
 > VFO transmitter, and 5 watt MOSFET amplifier. For that
 > matter, my keyer, battery charger, tuner, SWR meter, and
 > antenna are homebrew also.
 > 72's and tnx for some fun - Phil WB7AEI
 > -----
 > KD7CTF:
 > K2 at 5W into ground-mounted Hustler vertical. Bands were vy noisy here.
 > 73's, Lee, KD7CTF
 > -----
 > WC7S:
 > With this much fun, in only half hour of operation,
 > look for me in next test for sure!!
 > Dale
 > -----
 > N1EI:
 > XMTR: Sorta TT2. This is actually a Little Joe built on a TT2 board and
 > mounted in a tuna can. The keying transistor is mounted on it's own
 little
 > board and is hidden inside the can under the main board. Power out is
 > about 1.25W using a 2N4401 oscillator transistor and 2N5321 final PA. A
 > seven element external 40M low pass filter was used in addition to the 3
 > element filter on the board.
 >
 > VX0: Sorta Doug DeMaw design. The oscillator stage is a JFET source
 > follower VX0 right out of one of his books with a two stage buffer/amp
 from
 > another one of his designs grafted on to it. Impedance matching between
 > the VX0 and the Sorta TT2 was handled by an MFJ long wire antenna
 > tuner. Frequencies covered: 7.039 - 7.043.
 >
 > Keyer: An Oak Hills board kit (designed for the 2 band Classic maybe?)
 > mounted in it's own little box.
 >
 > RCVR: I wanted to use my 2 tube regen (built from the QRP Power article
 by
 > Dave Newkirk.) But the VX0's poor shielding put out such a strong signal
 > when turned on that regen detector pulling prevented my from zero beating
 > the receiver to my xmtr. So I used my back up rcvr - a Hammarlund
 > HQ-180. Got to shield that VX0 better. Maybe putting a bottom on the box
 > would be a good place to start. :-)
 >
 > XMTR antenna tuner: ZM-2.
 >
 > Antennas: 80M doublet at 50' for the xmtr, and 85' wire at about 20' for
 > the rcvr.
 >
 > My unoptimized setup here kept me from putting in much of a contest

> effort. I had to turn the VXO on and off for each call (so I could hear
> anyone on the off chance that they called me back) and the itty bitty
> switch that I put on it wasn't really designed for that. Hope to make a
> better effort next time.
>
> Thanks for a fun contest!
>
> Charlie Fitts, N1EI
> -----
> W6EMD:
> My gear: Rig..Small Wonder Labs PSK-20
> Ant..KLM KT-34A at 30'
> Software...Digipan
> Computer...586 running Win98SE
> 72, Dave, W6EMD, Redwood City, CA
> -----
> N2CX:
> Rig: Sierra with window line fed 40M dipole/ZM-2 tuner.
> Joe
> -----
> WQ2RP:
> Rig: Elecraft K1 on 40 and 20, Kenwood on 80m,
> TA33jr tribander & center fed Zepp.
> Thanks for the activity, Folks! I hope you enjoyed it.
> Look for the Spring QHB Sprint on March 25, 2002 0000z.
> 72 de Ken N2CQ Opr
> -----
>
>
>
> 72 de
> Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
> Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
> FM29jt
> N2CQ@ARRL.NET
>
>

Date: Fri, 02 Nov 2001 08:23:38 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110315] Re: Z-11 tuner by LDG Electronics
Message-ID: <1004714618.3be2ba7a5fd64@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Steve, I have used my Z-11 on a short vertical and a long wire.
It covers a wider range of VSWR than any other tuner I have,
except the LDG tuner in my Pegasus.
I have never used not used it to tune a balanced feedline,
but it should work with a good balun. It uses no power once it
is tuned.
Jim W7ANF

Quoting Imk9is@aol.com:

> I am thinking about ordering the Z-11 for use at my cabin, which is
> nearly
> every weekend. I currently take my K1 with built it auto tuner, but
> would
> also like to use other rigs which do not have a built in tuner. I will
> use
> this tuner, should I buy it, with 300 or 450 ohm balanced feedline thru
> a 4:1
> balun.
> I would appreciate hearing from others who have or have used this
> product. What do you think of it? You're input will be appreciated.
>
> imk9is@arrl.net, or answer on the reflector.
> Thanks
> Steve Whitton K9IS
>

Date: Fri, 2 Nov 2001 09:31:37 -0600
From: "Aartec" <aartec@dwx.com>
To: <qrp-l@Lehigh.EDU>
Subject: [110316] FOX: Preliminary results from WOPWE fox hunt 2 Nov 01
Message-ID: <000101c163b3\$76370e60\$0bdececf@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey gang thanks for a great time and thanks for your patience. We heard lots
of very nice signals last night. My apologies to anyone we weren't able to
work. From the raw data it looks like 120 pelts were taken from here. I will
do my best to get the log transcribed and sent out this weekend.

I really owe a big big thank you to John Burnley, NU0V who assisted me in
the shack during the hunt. His logging help and his finely tuned ears really
helped to make this thing manageable. Thanks again everyone.

72

Jerry Hall

WOPWE

Date: Fri, 2 Nov 2001 10:38:59 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<cherry@getnet.net>
Subject: [110317] Re: Z-11 tuner by LDG Electronics
Message-ID: <002e01c163b4\$7dfb0330\$ad586fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

LDG sells a nifty little balun to use with it. In the shack you connect ladder line to the balun and a short piece of coax from balun to tuner.

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

----- Original Message -----

From: <cherry@getnet.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 02, 2001 10:23 AM
Subject: Re: Z-11 tuner by LDG Electronics

> Steve, I have used my Z-11 on a short vertical and a long wire.
> It covers a wider range of VSWR than any other tuner I have,
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> but it should work with a good balun. It uses no power once it
> is tuned.
> Jim W7ANF
>
> Quoting Imk9is@aol.com:
>
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> > nearly
> > every weekend. I currently take my K1 with built it auto tuner, but

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> > also like to use other rigs which do not have a built in tuner. I will
> > use
> > this tuner, should I buy it, with 300 or 450 ohm balanced feedline thru
> > a 4:1
> > balun.
> > I would appreciate hearing from others who have or have used this
> > product. What do you think of it? You're input will be appreciated.
> >
> > imk9is@arrl.net, or answer on the reflector.
> > Thanks
> > Steve Whitton K9IS
> >
>

Date: Fri, 2 Nov 2001 10:40:03 -0500
From: palmer_t <ThomasPalmer@colliergov.net>
To: "'aartec@dwx.com'" <aartec@dwx.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110318] RE: Preliminary results from WOPWE fox hunt 2 Nov 01
Message-ID: <541334487458A745832D65D3AF0B7E716D62D6@cww1.bcc.colliergov.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

THANKS! Jerry

You did a FINE job, and for a time band conditions
were BAD, BAD, BAD! Foreign Broadcast Stations
and who knows what other crud on your frequency.

120 pelts under those conditions is really remarkable.

Tom, N1TP
Naples, Florida

-----Original Message-----

From: Aartec [mailto:aartec@dwx.com]
Sent: Friday, November 02, 2001 10:32 AM
To: Low Power Amateur Radio Discussion
Subject: FOX: Preliminary results from WOPWE fox hunt 2 Nov 01

Hey gang thanks for a great time and thanks for your patience. We heard lots
of very nice signals last night. My apologies to anyone we weren't able to
work. From the raw data it looks like 120 pelts were taken from here. I will

do my best to get the log transcribed and sent out this weekend.

I really owe a big big thank you to John Burnley, NU0V who assisted me in the shack during the hunt. His logging help and his finely tuned ears really helped to make this thing manageable. Thanks again everyone.

72

Jerry Hall

WOPWE

Date: Fri, 02 Nov 2001 10:47:12 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [110319] Kenneth Hougland's email
Message-ID: <F132Q6on7gz3FB1FxQF0001a336@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Does anyone have it handy? I know he is over at Wake Forest University(a couple miles up the road from me), but I cannot find his email address anywhere in my stack of junk.

TIA & 73,

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

Albert Einstein (1879-1955)

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 02 Nov 2001 08:52:11 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110320] Re: Reciprocity (with a c)
Message-ID: <1004716331.3be2c12beca32@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Reciprocity works, the signals are
attenuated the same in both directions.
But it is hard to hear signals
below the local noise level.
Jim W7ANF

Quoting W2AGN <w2agn@pobox.com>:

> On Friday 02 November 2001 08:20, Harris Keith E CONT CNIN wrote:
> > Good Morning,
> > It seems to me that the theory of reciprocity is sound. However,
> like
> > a lot of theories, it works better in the lab than the real world.
> The
> > theory assumes all other factors being equal, which usually are far
> from
> > equal. When you consider all the other factors working for or against
> it in
> > the real world it is easy to understand why it doesn't always work the
> way
> > the theory says it should.
> >
> > 73 de N9KH

Date: Fri, 02 Nov 2001 10:50:57 -0500
From: Pete Burbank <plburbank@kih.net>
To: myetsko@insydesw.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110321] Re: Reciprocity, another consideration...
Message-ID: <5.0.2.1.0.20011102104306.00ac4b80@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:46 AM 11/2/2001 -0500, Mike Yetsko wrote:
> You know, this is getting out of hand with all the 'what if' and 'but
> technically' kind of statements, so I REALLY don't want to get
> drawn in.

>
>But I'd just like to ask how many people considered something very
>basic about this whole mess.
>
>ASSUMING the rigs were the same, and yes, I know the antennas
>were different.
>
>But, how many people were assuming the signals paths were the same?
>It doesn't have to be so.
>
>Mike

Not to mention the fact that many receivers are forgiving with regard to a mismatch while transmitters are not. I have an old Drake 2-B that hears well connected to a piece of wet string.
73 Pete NV4V

Date: Fri, 2 Nov 2001 11:03:31 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <K4BYF@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110322] Re: Lighting
Message-ID: <006d01c163b7\$ede11240\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just picked up my Radioshack.com flyer that came yesterday (first I looked at it) and it has clip-on gooseneck lights for \$8.

It also has a Dana swivel arm lamp with 22W circular fluorescent bulb and a 5" diameter 3x lens on sale for \$40. I think I'm gonna order one of these...

Mike

Date: Fri, 2 Nov 2001 09:10:17 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu

Subject: [110323] Re: Lighting
Message-ID: <20011102.091018.-364925.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The lamp I use is a swing arm type with magnifier and accepts a common 25-60 watt incandescent bulb. I got the latest (I have 2) from Harbor Freight for about 10 dollars. The other I have had for several years and came from the Hobby Lobby store. It is a common type seen in crafts, sewing and other hobby type stores.

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78
fp #111 ARCI-5784 NCT2R El Paso, (FAR WEST) TEXAS

Date: Fri, 2 Nov 2001 11:13:42 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <N2CQ@dandy.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110324] HomeBrewer Sprint Rigs...
Message-ID: <013701c163b9\$572dbf40\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Forgot to include my condx. for HB SPRINT:

DSW-20 @ 2.5W
SW-40 @ 3W
Home brew Z-match
Switchable 88' EDZ's at approx. 60'

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----

From: "Ken Newman" <N2CQ@dandy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 02, 2001 8:34 AM
Subject: QRP HomeBrewer (QHB) Sprint Results

> Hi All,
> Here is the results for the Fall QHB Sprint.
> Awards and prizes will come later.
> I hope all enjoyed the sprint. Look for the next one
> on March 25, 2002 0000z!
>
> 72 de Ken N2CQ@ARRL.NET
>
>
> Fall QRP Homebrewer Sprint Results
>
>

> Call	Mode	QSOs	Points	X SPCs	X PWR	= Score
> K5ZTY	CW	83	332	47	7	109,228
> AK7Y	CW	84	336	46	7	108,192
> K7RE	CW	82	328	45	7	103,320
> K0EVZ	CW	70	280	38	7	74,480
> W0PWE	CW	45	176	35	10	61,600
> N0TK	CW	50	200	33	7	46,200
> NQ7X	CW	40	160	28	7	31,360
> AA1MY	CW	40	160	26	7	29,120
> W2AGN	Mixed	28	116	23	10	26,680
> AD6GI	CW	34	136	23	7	21,896
> W0UFO	CW	27	108	20	7	15,120
> N7CEE	CW	19	76	15	10	11,400
> N0RC	CW	31	62	21	7	9,114
> KW4JS	CW	19	76	16	7	8,512
> AA3SJ	CW	17	68	11	10	7,480
> KA3WMJ	CW	18	72	14	7	7,056
> W1PID	CW	18	72	13	7	6,552
> K4GT	CW	15	60	12	7	5,040
> N3MK	PSK	12	60	11	7	4,620
> N2APB	CW	12	48	9	10	4,320
> N2CX	CW	14	56	10	7	3,920
> W3BBO	CW	10	40	9	10	3,600
> NA5N	CW	17	34	13	7	3,094
> W4NJK	CW	11	44	7	7	2,156
> K1SWL	CW	12	24	9	7	1,512
> WB7AEI	CW	6	24	4	7	672
> KD7CTF	CW	4	16	4	7	448
> WC7S	CW	5	10	4	7	280

```

> N1EI      CW      2      6      2      7      84
> W6EMD     PSK      1      5      1      7      35
>
> Checklogs:
> WQ2RP     CW      74      288     42      7     82,320
> (NJQRP Club Station, N2CQ Opr)
>
> -----OPERATOR COMMENTS-----
>
> K5ZTY:
> Another good NJQRP Club contest. Condx were good even though we had
quite
> a bit on QRN here in TX from thunderstorms in the area. Thanks to those
> who stayed with me thru several repeats when the noise got bad. Thanks
to
> Ken for promoting and scoring again. WQ2RP was loud.
> Bill
> -----
> AK7Y:
> Thanks for another great QRP HB Sprint. I am sure glad that you posted
> to call for logs. I have been putting off the entry, working on a new
> SW-30+ kit, and time slips by when building new rigs!
> Greg
> -----
> K7RE:
> Good conditions and very nice turnout too.
> No 15M activity found this time around. I did CW only.
> Rig: K-2, 3 el trapped tribander at 35 feet, half square on 40M.
> Fell short of the Spring contest totals by 18 QSo's
> Sure enjoyed myself, I also got to try out my new 40M Half Square
> antenna before the rest of the contest season begins.
> Brian
> -----
> W0PWE:
> Rigs: 20M Manhattan SST, 40M CSS Rcvr and NN1G Xmtr both Manhattan sytle.
> 15 and 80M TS140S. Antennas: Multiband dipoles.
> 20M was fun while it lasted. 40M and 80M had summer like QRN.
> Jerry
> -----
> N0TK:
> NC20 and K1 built by N0TK. Attic dipole antennas for 20 and 40.
> Dan
> -----
> K0EVZ:
> Will be interested in seeing how this log compares to the top scorers.
> Usually I don't send in logs, but may change as I get more familiar
> with computers and keyboards.
> Doc

```

> -----
> NQ7X:
> GOOD PROPAGATION AND PARTICIPATION, BUT AS USUAL I ONLY GOT
> LESS THAN 2 HOURS OP TIME. FUN THOUGH AND THANKS TO KEN N2CQ
> AND THE NJ CLUB FOR SPONSORING.
> Floyd
> -----
> AA1MY:
> Propagation seemed good, but turnout seemed light...
> maybe 'cuz I missed first two hrs?
> The skip zones were clearly visible when plotted on a map,
> esp. on 20m. Odd, but NA5N's unmistakable sound is usually
> heard/worked at the end of my 'tests. Thanks to NJQRP for
> running this great event... cu nxt spring!
> Seab
> -----
> W2AGN:
> An real challenge doing without my trusty K1 or K2 and using the SST
> and NC40A.
> PSK-80 Warbler was a gem though, but where were the NJQRP PSK31 stations?
> John
> -----
> AD6GI:
> Great group of operators! Good ears and very patient with my occasional
bad
> keying as I got excited as my exchange rate increased. Still lots of fun
> and
> am already planning for next year. See you then.
> Many thanks to Ken and the NJ Gang for their effort. It is much
appreciated.
> Chuck
> -----
> W0UFO:
> Had an MS-15 ready for 15 but heard no signals. Lots of noise with sigs
> on 40. Had fun on 20 but it was a cold nite at the cabin so quit early.
> Used an NC-20 and Red Hot NC-40 with 20m dipole & longwire on 40.
> Mert
> -----
> N7CEE:
> Elecraft K2 running 1 watt into a 40 meter vertical.
> Bruce
> -----
> N0RC
> Sure miss my K2 for these events, but had to yield to economic realities.
> BUT NEXT TIME I'LL BE USING MY K1 (recently acquired)!!! ;-)
> Looking forward to the Mar 2002 event!
> Rig:KNWD 570D(G) @ 5W - Ant: Attic Dipole @ 20ft
> Rod

> -----
> KW4JS:
> Elecraft K2 - Homebrew Xcvr - Pwr 5 Watts
> John
> -----
> AA3SJ:
> I just completed this rig last week and decided to give it a try. The
> direct conversion receiver made it difficult to use in contesting.
> Using 700mW, my final was a 3N3904 (Hi!). Band conditions were also
> rough. At my QTH I have a strong shortwave station that comes on at
> about 11:00 PM each evening and it overwhelms the rcvr. Overall this
> was a lot of fun, but definately a challenge. This is the first contest
> that I actually worked for a score. Thanks NJ QRP for sponsoring it.
> Ed
> -----
> KA3WMJ:
> Really enjoy these Sprints with the K2 but I need to improve my antennas
> for close in stations. Thanks for all your help.
> Ken
> -----
> K4GT:
> Elecraft K2 - 4W
> Jim
> -----
> N3MK:
> Fair condx but not a lot going on on PSK. Ran PSK-31 only with PSK-20 and
> Warbler
> Rig: PSK-20 and Warbler into MFJ 934 tuner into dipole
> Don
> -----
> N2APB:
> Short time spent, and correspondingly small score, but I had a great
time.
> It's always exciting to hear and QSO with the various calls we see on the
> Lists, the hamfests and the QRP weekends.
> Most notable experience during the sprint was hearing N2CX waaaaay down in
> the noise with a ton of people trying to get him. During my repeated
tries
> for him as well, a dog wandered over to the SLVPV antenna and relieved
> himself on the base ... I was too busy tring to get Joe and just decided
to
> let the dog go. I ultimately bagged N2CX and attributed it to the added
> ground conductivity of the antenna.
>
> Homebrew setup here: Wilderness Sierra running 1W, NorCal BLT Tuner, St.
> Louis QRP Society "Vest Pocket Vertical" antenna, and scratch-built W9GR
> DSP-1 audio filter. Location: local school soccer field in Forest Hill,
MD.

> George
> -----
> NA5N:
> I only ended up able to work about an hour and a half, from about
> 0200-0400UTC with a couple of interruptions. Blew a water pump in the
> car saturday, so spent sunday dropping the new one in ... which of
> course took far longer than planned :-(Remember when you could change
> a water pump WITHOUT having to relocate a hundred hoses, pull the
> radiator, oil coolers, transmission lines, etc.? Geez! So sorry I
> wasn't able to participate longer, and with local sunset kicking in,
> propagation was sadly mostly out west. Although I did work WQ2RP and
> Sean AA1MY with fairly good signals.
> Still had fun though, and a nice way to wind down after playing master
> mechanic. (which I ain't)
> I like the sunday and the time slot. Keep it.
> LOCATION: From the house, about 15 mi. N of Socorro, NM
> RIG: SG-2020 (just fixed for a friend) running 5W
> PWR: A Wal-Mart 12V lawn mower battery
> ANT: Full-length G5RV and St. Louis Tuner (homebrew)
> KEY: Homebrew paddles (not a kit)
> 72, Paul NA5N
> -----
> W4NJK:
> Rig K1 # 49; G4ZPY minipaddles;40M halfsquare wire from CA,near San Jose.
> Second time with the K1 and great participation noted on 20 and 40.
> Lots of QSB and odd condx on 20; but 40 was excellent once it got to the
> West Coast. Heard WQ2RP most of the night and K0EVZ for a while but no
luck
> getting through. Very enjoyable, thought I would hear more stations at
less
> than 5W but Condx may have kept them to local QSO s
> TNX NJQRP and all for good operations all around.
> 72, Charlie, W4NJK
> -----
> K1SWL:
> Thanks for managing this event! Good conditions and activity levels,
> but had to QRT about an hour into the Sprint- our son called to say his
> car had
> died- that took 2 hours to square away. I really regret not having an
> antenna up
> for 80M - the 'Warbler' is sure feeling neglected!
> Rig: FT-840/battery- 5W - 20M dipole @40 ft
> 72- Dave- K1SWL
> -----
> WB7AEI:
> The conditions didn't seem bad on 40M, but QRP'ers were weak
> and piled on top of each other. There weren't many standout
> signals, except for the encroaching QRO QRM, and of course

> Doc K0EVZ. Run my Pixie in this - no way!

> This was all 40 meters with my homebrew DC receiver, 1 watt

> VFO transmitter, and 5 watt MOSFET amplifier. For that

> matter, my keyer, battery charger, tuner, SWR meter, and

> antenna are homebrew also.

> 72's and tnx for some fun - Phil WB7AEI

> -----

> KD7CTF:

> K2 at 5W into ground-mounted Hustler vertical. Bands were vy noisy here.

> 73's, Lee, KD7CTF

> -----

> WC7S:

> With this much fun, in only half hour of operation,

> look for me in next test for sure!!

> Dale

> -----

> N1EI:

> XMTR: Sorta TT2. This is actually a Little Joe built on a TT2 board and

> mounted in a tuna can. The keying transistor is mounted on it's own

little

> board and is hidden inside the can under the main board. Power out is

> about 1.25W using a 2N4401 oscillator transistor and 2N5321 final PA. A

> seven element external 40M low pass filter was used in addition to the 3

> element filter on the board.

>

> VXO: Sorta Doug DeMaw design. The oscillator stage is a JFET source

> follower VXO right out of one of his books with a two stage buffer/amp

from

> another one of his designs grafted on to it. Impedance matching between

> the VXO and the Sorta TT2 was handled by an MFJ long wire antenna

> tuner. Frequencies covered: 7.039 - 7.043.

>

> Keyer: An Oak Hills board kit (designed for the 2 band Classic maybe?)

> mounted in it's own little box.

>

> RCVR: I wanted to use my 2 tube regen (built from the QRP Power article

by

> Dave Newkirk.) But the VXO's poor shielding put out such a strong signal

> when turned on that regen detector pulling prevented my from zero beating

> the receiver to my xmtr. So I used my back up rcvr - a Hammarlund

> HQ-180. Got to shield that VXO better. Maybe putting a bottom on the box

> would be a good place to start. :-)

>

> XMTR antenna tuner: ZM-2.

>

> Antennas: 80M doublet at 50' for the xmtr, and 85' wire at about 20' for

> the rcvr.

>

> My unoptimized setup here kept me from putting in much of a contest
> effort. I had to turn the VXO on and off for each call (so I could hear
> anyone on the off chance that they called me back) and the itty bitty
> switch that I put on it wasn't really designed for that. Hope to make a
> better effort next time.
>
> Thanks for a fun contest!
>
> Charlie Fitts, N1EI
> -----
> W6EMD:
> My gear: Rig..Small Wonder Labs PSK-20
> Ant..KLM KT-34A at 30'
> Software...Digipan
> Computer...586 running Win98SE
> 72, Dave, W6EMD, Redwood City, CA
> -----
> N2CX:
> Rig: Sierra with window line fed 40M dipole/ZM-2 tuner.
> Joe
> -----
> WQ2RP:
> Rig: Elecraft K1 on 40 and 20, Kenwood on 80m,
> TA33jr tribander & center fed Zepp.
> Thanks for the activity, Folks! I hope you enjoyed it.
> Look for the Spring QHB Sprint on March 25, 2002 0000z.
> 72 de Ken N2CQ Opr
> -----
>
>
> 72 de
> Ken Newman - N2CQ == QRP CONTEST CALENDAR ==
> Woodbury, NJ <http://www.njqrp.org/data/contesting.html>
> FM29jt
> N2CQ@ARRL.NET
>
>

Date: Fri, 02 Nov 2001 10:23:11 -0600
From: "George, W5YR" <w5yr@att.net>
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110325] Re: Reciprocity, Reciprocal es Terman (Long)
Message-ID: <3BE2C86F.E601E99E@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Thanks, Chuck - you saved me the trouble of looking it up which was on the docket for today! <:}

I would like to mention one additional point, though.

The basic theorem you quoted *does not* comprehend the presence of additive random, uncorrelated, independent noise sources at each end of the path. When these are factored in, the notion of reciprocity can fail. The path itself may contain noise sources but their effects are common-mode, if you will, at both ends of the path.

It is the differential effects of separate independent sources at each path end that muddies the water. Here, "noise" is not limited to the usual thermal noise sources, but includes any added energy in the receiving bandwidth not also present in the transmitted bandwidth at the transmitter and thus present in the transmitter output.

Thus, Station A can be transmitting to Station B and hearing Station B quite well, due to "good" propagation and a low-noise environment. But Station B may be unable to copy Station A due to high local noise or a local splattering signal up the band that is not being heard at Station A but has distortion products in B's receive passband.

The examples are endless, and we encounter them daily. Many times, the background "clatter" on the hams bands approximates a noise source all too well. The key word is "ergodicity" but that makes people's heads hurt.

As I mentioned in another posting, reciprocity seems to work often enough to allow our QRP contacts to be successful, although it is not a universal property of the radio propagation world.

The Carson addition to the basic theorem for radio propagation is an extension of the basic reciprocity property of any linear network containing passive elements and active sources. In such networks, the theorem allows the interchange of any voltage or current source with any observed current path or pair of voltage nodes with the results you stated.

I see that you also turn to Terman when you want "the rest of the story" as Paul Harvey says. Guess that dates us pretty well, doesn't it? <:}

Interesting stuff . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!

Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Chuck Carpenter wrote:

>
> Reciprocity, Reciprocal
> >From the latin word "reciprocus" - returning the same way, alternating
>
> Quoting from Terman, Fourth Edition, 22-18 Rayleigh-Carson Reciprocity
> Theorem (page 858)

Date: Fri, 2 Nov 2001 09:29:36 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Carpenter <w5usj@globeco.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110326] Re: Reciprocity, Reciprocal es Terman (Long)
Message-ID: <Pine.LNX.4.33.0111020921080.1803-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

Thanks Chuck. I think that Rayleigh-Carson is the reason reciprocity is expected from radio stations even using skip. The QSB might be out of phase if monitored at both stations, but the amplitude would be about the same.

Karl and I will try again at 5pm MST 0000 UTC on 14.060 to make contact this friday and saturday afternoons. We are using exactly the same radio, Yaesu FT-817 both with the Collins CW filter and very different antenna's. Karl has the MP-1 that fits in his suitcase. I have a monster beam that will be available for viewing, later today. Check my web page. If reciprocity holds and Karl hears me, I should hear him.

On Fri, 2 Nov 2001, Chuck Carpenter wrote:

> Reciprocity, Reciprocal
> >From the latin word "reciprocus" - returning the same way, alternating
>
> Quoting from Terman, Fourth Edition, 22-18 Rayleigh-Carson Reciprocity
> Theorem (page 858)
>
> "There are various reciprocal relations that relate the properties of waves
> traveling in one direction to the properties of waves traveling in the
> opposite direction, and similarly connect the properties possessed by an
> antenna when transmitting with the properties possessed in reception.

> These relations are incorporated in reciprocal theorems, the most important
> of which was formulated by Rayleigh and extended to include radio
> communication by John R. Carson. It is to the effect that, *if an
> electromotive force E inserted in antenna 1 causes a current I to flow at a
> certain point in a second antenna 2, then the voltage E applied at this
> point in the second antenna will produce the same current I (both in
> magnitude and phase) in a short circuit at the point in antenna 1 where the
> voltage E was originally applied.* [*italics*]

>
> "The Rayleigh-Carson theorem fails to be true only when the propagation of
> the radio waves is appreciably affected by the presence of the earth's
> magnetic field. It thus holds for all practical radio work except for
> long-distance communication involving the ionosphere. Even then it can be
> expected to apply to results averaged over a reasonable interval of time,
> even though it cannot be depended upon to be exactly correct at every given
> moment.

>
> "The Rayleigh-Carson theorem shows that in radio communications between two
> fixed points, the same behavior as to signal strength, optimum frequency,
> etc., is to be expected irrespective of which end of the circuit is the
> transmitting end and which is the receiving end. The theorem also provides
> a means of relating the transmitting and receiving properties of antennas, "

>
>
>

> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
> Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 08:31:51 -0800
From: "DTX" <dtx@wood.tzo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110327] Re: Lighting
Message-ID: <014201c163bb\$e0924100\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To each his own, but I would get 2 of the \$8 lamps and illuminate from each side and a \$5 magnifier-on-a-band that I wear on my head and push up or down as needed and easily flip in magnification of 1.8 to 4.8. I find it handier to move my head side to side for a different viewing angle and move in and out to maintain focus rather than twisting the work item and/or the magnifier-in-the-light assembly. Just OMHO; I don't think a single right way ;-). But whichever way works for you, make sure you sit comfortable first, then bring the work into place. Those of you under 35 can disregard the last sentence<G>

Gary WA6DTX

----- Original Message -----

From: "Mike Yetzko" <myetzko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, November 02, 2001 8:03 AM

Subject: Re: Lighting

> Just picked up my Radioshack.com flyer that came yesterday (first I looked
> at it) and it has clip-on gooseneck lights for \$8.

>

> It also has a Dana swivel arm lamp with 22W circular fluorescent bulb
> and a 5" diameter 3x lens on sale for \$40. I think I'm gonna order one
> of these...

>

> Mike

>

>

>

Date: Fri, 2 Nov 2001 08:44:00 -0800 (PST)

From: agtaylor@llnl.gov

To: qrp-l@lehigh.edu

Subject: [110328] FOX Log for K7GT: Very preliminary

Message-ID: <200111021644.IAA24771@poptop.llnl.gov>

MIME-Version: 1.0

Content-Type: TEXT/plain; CHARSET=US-ASCII

Greetings all.

Boy was that rough. A great first 1/2 hour (rates to 60Qs/hr) followed by decreasing rates and very rough conditions. QRN (local??) was S6/7 on

the meter. Sig reports given NOT by the meter as anything heard was at least a bit above the noise. Many stations seemed to not understand UP. I tried to listen up 500 to 1000 Hz with only seldom success. Tried to get a reduction in the callers by giving a partial call. Very little success. Also very little success getting fills. States were particularly hard: some of those given in the log are ESP/guesses. Several potential contacts had to be dropped due to QSB into the noise. Sorry.

63 Qs. Slightly exceeded last year's 58. The noise-induced headache went away with two aspirin and snuggling into the down comforter...

FOX log for FOXHUNT of Nov 2, 2001 (UTC) from K7GT

Exchange: K7GT RST CA ALLAN 5W

0200	KB9LGJ	599	CA	TIM	5W
0201	K0EVZ	550	ND	DOC	2W
0202	KB7WW	559	OR	ART	5W
0203	NQ7X	559	AZ	FLOYD	5W
0204	K7TQ	559	ID	RANDY	5W
0205	AD6JV	559	CA	BILL	5W
0206	N1FN	559	CO	ET	5W
0207	N0TU	559	CO	STEVE	5W
0207	W7ILW	559	AZ	WALT	5W
0209	VE6JAZ	559	AB	ROB	5W
0210	W4NJK	559	CA	CHARLIE	5W
0211	VE6EX	559	AB	DAN	5W
0213	K5DI	559	NM	KARL	5W
0213	K7FD	579	OR	JOHN	5W
0215	N6VOH	599	CA	BARRY	5W
0216	AA7XA	559	OR	FRANK	5W
0218	KK5LD	559	TX	DAN	5W
0220	KQ5U	559	TX	TERRY	5W
0222	W5YR	559	TX	GEORGE	5W
0223	N4ROA	559	VA	DAN	5W
0224	W3CD	599	CA	BOB	5W
0227	W0CH	559	MO	DAVE	5W
0228	KE6RS	559	CA	RON	5W
0229	WB5QYT	559	NM	TOM	5W
0230	K6VNX	559	CA	ARLEN	5W
0231	W5YA	579	NM	FRED	5W
0232	N5GJQ	569	LA	MIKE	5W
0234	N0AF	559		SCOTT	5W
0235	N6WG	559	CA	BOB	5W
0238	VE6RF	559	AB	EARL	5W

0239	N0TK	559	CO	DAN	5W
0241	KI0II	559	CO	TOM	5W
0242	KJ6CA	589	CA	BOB	1W
0243	KR5C	559	TX	GEORGE	5W
0245	N0SXX	559	CO	GARY	5W
0246	WA7LNW	579	UT	JACK	5W
0247	AA7EQ	559	AZ	BOB	5W
0252	KG6CYN	579	CA	TREV	5W
0252	N0UR	559	MN	JIM	5W
0255	N0RC	559	CO	ROD	5W
0256	K2MV	569	NY	MIKE	5W
0257	WR50	559	TX	DAVE	5W
0259	W0UFO	559	MN	MERT	5W
0301	K0PC	559	MN	PAT	5W
0304	AK7Y	559	AZ	GREG	5W
0308	NK9G	559	IL	RICK	5W
0309	N2WW	559	CO	LARRY	5W
0311	K5ZTY	599	TX	BILL	5W
0313	W8RU	559	MI	RON	5W
0315	N5PT	569	OK	PAUL	5W
0316	WA9TZE	559	IL	JIM	5W
0319	N0DSP	599	CO	TOM	5W
0320	AK1P	559	CA	PAUL	5W
0324	N70G	559	UT	KEN	5W
0325	K7EL	559	OR	DAVE	5W
0328	W5USJ	559	TX	CHUCK	5W
0331	W9UQB/7	559	AZ	MIKE	5W
0338	NM5M	559	TX	ERIC	5W
0341	WE9K	559	WI		
0348	K5E0A	559	LA	WAYNE	5W
0355	N9AW	559	IL	GARY	5W
0356	KD7CTF	559	OR	LEE	5W
0357	W1HIJ	569	CA	BILL	100W

--

Allan G Taylor

agtaylor@llnl.gov

Date: Fri, 2 Nov 2001 10:46:39 -0600
 From: Jim Glover <psykey@okcforum.org>
 To: qrp-l@lehigh.edu
 Cc: wb8wtu@yahoo.com
 Subject: [110329] On changing QRP frequencies

Message-ID: <200111021646.fA2Gkd009848@okcforum.org>

> BTW, I think your idea to discuss QRP calling freqs
> is a good one. That topic re-appears quite often.

I wholeheartedly agree that discussion is a good thing. I'm neither a proponent nor an opponent of changing the official QRP calling frequencies. No one has convinced me that they need to be changed and no one has convinced me that they need to stay as they are.

I am, however, convinced that the QRP community would benefit from loosening up our collective VFO's a bit, and thinking more in terms of using CW wherever CW is allowed, rather than feeling like we need to stick to special QRP CW frequencies. I guess it's another one of those things that boils down to personal preference. I use QRP at times, and QRO some other times. I make some contacts on or near QRP frequencies, and some contacts elsewhere, wherever I find other stations calling CQ, or wherever I find a clear spot to call CQ. I'm not inclined to think in terms of sticking with any particular power or frequency. On the other hand, when I'm using gear which happens to be limited in terms of its power output and/or its frequency range, I don't feel uncomfortably restricted. I know there are extremists on either side of my nice, wishy-washy, middle-of-the-road feelings. There are those who prefer to use QRP-only gear, and those who prefer to stay near traditionally QRP frequencies. There are also those who wouldn't even bother using gear that's not capable of putting out 100 watts or so anywhere in the band. Be all that as it may...

It's probably a good thing if the QRP community makes a conscious effort to consider spreading out a bit. If some decide they'd prefer to stay near traditional QRP watering holes, that shouldn't hurt anything (as long as they realize they're making that decision, and they're happy with all the consequences) but I'm sure there are some of us who'd be happier with the results if we tuned around a little more.

> I understand that we have no real "authority", but
> what better place to discuss that issue then here?

Well, this can be a starting place. However, if someone wants to change the QRP calling frequencies, discussions must also include those whose activities currently involve the proposed frequencies. Once a consensus has been reached among everyone concerned (not just a few QRPers who'd like to annex the new territory as their favored spot), the next step would be to take the proposed changes to the organizations with authority to map out band plans. Unless someone is prepared to do all that, it doesn't make much sense to

talk about changing the QRP calling frequencies or band plans.

I've pointed out that QRP-L doesn't have the authority to change QRP calling frequencies or band plans, but I don't mean to be suggesting that the subject is inappropriate for discussion on QRP-L! However, I would again caution anyone against assuming that if a consensus were reached by a few members of QRP-L who choose to post their opinions on the topic, that it would in any way, shape or form constitute an official change. It certainly would not!

Other than that, I welcome the discussion, because I believe that considering what possibilities each area of the band holds for some type of QRP operation is a very good thing. The envisioning of broader opportunities can be a seed for very healthy growth. It can't hurt anything for some of us to agree to conduct certain QRP activities, or just look for each other, near some particular frequency, as long as it's available, can it? I don't think so. Even if changing the official QRP calling frequencies isn't likely to come about as a result of a handful of people posting to QRP-L saying they think it would be a good idea, opening our collective eyes to more options is certainly within our grasp.

Stay curious! (And don't forget to have fun!)

73,
Jim WB5UDE

Date: Fri, 2 Nov 2001 12:02:58 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<ThomasPalmer@colliergov.net>
Subject: [110330] Re: Preliminary results from WOPWE fox hunt 2 Nov 01
Message-ID: <001301c163c0\$39c46f10\$68556fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amen!

----- Original Message -----

From: "palmer_t" <ThomasPalmer@colliergov.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 02, 2001 10:40 AM
Subject: RE: Preliminary results from WOPWE fox hunt 2 Nov 01

> THANKS! Jerry
>
> You did a FINE job, and for a time band conditions
> were BAD, BAD, BAD! Foreign Broadcast Stations
> and who knows what other crud on your frequency.
>
> 120 pelts under those conditions is really remarkable.
>
> Tom, N1TP
> Naples, Florida
>
> -----Original Message-----
> From: Aartec [mailto:aartec@dwx.com]
> Sent: Friday, November 02, 2001 10:32 AM
> To: Low Power Amateur Radio Discussion
> Subject: FOX: Preliminary results from WOPWE fox hunt 2 Nov 01
>
> Hey gang thanks for a great time and thanks for your patience. We heard
lots
> of very nice signals last night. My apologies to anyone we weren't able to
> work. From the raw data it looks like 120 pelts were taken from here. I
will
> do my best to get the log transcribed and sent out this weekend.
>
> I really owe a big big thank you to John Burnley, NU0V who assisted me in
> the shack during the hunt. His logging help and his finely tuned ears
really
> helped to make this thing manageable. Thanks again everyone.
> 72
> Jerry Hall
> WOPWE
>

Date: Fri, 2 Nov 2001 12:13:16 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110331] How do you answer QRL? Abbreviations?
Message-ID: <003101c163c1\$a9e6fcd0\$68556fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Last night, right about where people were answering Larry, a station (well
over S-9) sent "QRL?"

Immediately, somebody on the frequency sent "C." That's the answer I usually give, too.

The station sent "QRL?" again. So I sent a "C" then.

About 3 seconds passed and then he sent "CQ CQ CQ CQ DE" etc. Nobody, as far as I could tell, answered him and he went away with virtually no harm done.

Wonder if QRL means I am about to use this frequency?

Would it be better to send "YES" you think?

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Anything not worth doing is not worth doing right.

Date: Fri, 2 Nov 2001 09:23:55 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: jstamper@shentel.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110332] Re: How do you answer QRL? Abbreviations?
Message-ID: <20011102172355.55340.qmail@web14206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sending "Y" or "YES" works best for me.

73, Bill KC4ATU

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Fri, 2 Nov 2001 12:28:23 -0500
From: palmer_t <ThomasPalmer@colliergov.net>

To: "'kc4atu@yahoo.com'" <kc4atu@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110333] RE: How do you answer QRL? Abbreviations?
Message-ID: <541334487458A745832D65D3AF0B7E716D62E4@cww1.bcc.colliergov.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I send "yes" and "QRX."

Tom, N1TP

-----Original Message-----

From: Bill ROWLETT [mailto:kc4atu@yahoo.com]
Sent: Friday, November 02, 2001 12:24 PM
To: Low Power Amateur Radio Discussion
Subject: Re: How do you answer QRL? Abbreviations?

Sending "Y" or "YES" works best for me.

73, Bill KC4ATU

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Fri, 2 Nov 2001 12:27:58 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <jstamper@shentel.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110334] answer QRL?
Message-ID: <018901c163c3\$b741cd40\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The convention may have changed, but since the 50's I've mostly heard/used:

"QRL ?" - as the question...
and
"QRL TU" - as the answer.

AA1MY
Seabury & Sharon Lyon

99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Jim Stamper" <jstamper@shentel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 02, 2001 12:13 PM

Subject: How do you answer QRL? Abbreviations?

> Last night, right about where people were answering Larry, a station (well
> over S-9) sent "QRL?"

>

> Immediately, somebody on the frequency sent "C." That's the answer I
> usually give, too.

>

> The station sent "QRL?" again. So I sent a "C" then.

>

> About 3 seconds passed and then he sent "CQ CQ CQ CQ DE" etc.

> Nobody, as far as I could tell, answered him and he went away with
virtually

> no harm done.

>

> Wonder if QRL means I am about to use this frequency?

>

> Would it be better to send "YES" you think?

>

> jim-

> KG4LDY

> James H. Stamper

> 519 Park Avenue

> Woodstock, VA 22664-1260

> 540-459-8350

>

> Anything not worth doing is not worth doing right.

>

Date: Fri, 2 Nov 2001 09:30:27 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>

To: <qrp-1@lehigh.edu>

Subject: [110335] Re: Lighting

Message-ID: <MABBJOEABOILMKCJCLFCCEKNCAA.n6wg@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I suggest one of the extension arm lamps with magnifying lens and circular fluorescent tube. You can place the light where you want it, and you have the lens for whenever things are a bit too tiny for comfort. Also great for inspecting your work after soldering to see if any hairline connections that you don't want.
73, Bob N6WG

Date: Fri, 2 Nov 2001 10:25:06 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <agtaylor@llnl.gov>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110336] Re: FOX Log for K7GT: Very preliminary
Message-ID: <003d01c163c3\$510725c0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan,

----- Original Message -----
From: <agtaylor@llnl.gov>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 02, 2001 9:44 AM
Subject: FOX Log for K7GT: Very preliminary

> Greetings all.
>
> Boy was that rough. A great first 1/2 hour (rates to 60Qs/hr)
followed
> by decreasing rates and very rough conditions. QRN (local??) was
S6/7 on
> the meter. Sig reports given NOT by the meter as anything heard was
at

QRN here too, aggravated by hound QRM, made for tough copy as well.

> ...Many stations seemed to not understand UP.
> I tried to listen up 500 to 1000 Hz with only seldom

Hopefully my earlier post will help future hunts

> Also very little success getting fills.

My problem was the QRN & QSB & QRM I knew you were drilling me for fills but it was tough deciphering what, so I sent the full exchange again, wasn't sure you got it but you went on & the log entry is correct. TU!

It seems to me we need more experienced elmer postings, with tips & tricks on work split, no doubt there are a lot of "hunters" who are new at the game. What I posted earlier was distilled from sage advice given by Ron KU7Y, long ago, as practiced my me. It really works, not only in Fox hunts, but DX pileups as well!

Work split & GL all.

73, Rod NØRC
Ft Collins, CO

Date: Fri, 2 Nov 2001 10:35:00 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [110337] QRP Frequencies
Message-ID: <Pine.LNX.4.33.0111021024510.2234-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After looking, there are no frequencies in any "bandplan" or other paper spelling out what are the frequencies for QRP use. I was told ARRL and one other entity had established QRP frequencies but on asking, they say no.

The current QRP frequencies are the result of use and have been given some formal understanding by this list. But if a guy with a kw and a good antenna gets on 7040 and calls CQ, there is no legal way to stop him. We can only hope he will get tired of it and move elsewhere.

We need QRP frequencies so that when we get on the air we can start somewhere. And guys buying crystals for their home built rigs can expect someone is listening on that frequency and MIGHT try and copy the chirpy 200 mw signal...:-)

With this settled, I am going to recommend some new frequencies in the new bands and some changes in 80,40,20,15,and 10 meters. Right now I think we need 2 frequencies on 10 meters. One is 28.040 the other up in the N/T area.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 10:39:17 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [110338] My Antennas
Message-ID: <Pine.LNX.4.33.0111021035060.2234-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This morning it is sunny and as I returned from my 3 1/2 mile walk with Bucket, I looked up and both my good antenna's were easy to see. So got my HP digital camera out and took pictures. Then got them on this Unix computer and added one to my web page. It will come up slower now but you can see why I put out a good QRP signal. Go to the web page shown below.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 10:41:31 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110339] Re: Lighting
Message-ID: <Pine.LNX.4.33.0111021040400.2234-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike I have one of those and it's sure nice for surface mount kit building.

On Fri, 2 Nov 2001, Mike Yetzko wrote:

> Just picked up my Radioshack.com flyer that came yesterday (first I looked
> at it) and it has clip-on gooseneck lights for \$8.

>

> It also has a Dana swivel arm lamp with 22W circular fluorescent bulb
> and a 5" diameter 3x lens on sale for \$40. I think I'm gonna order one
> of these...

>

> Mike

>

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 11:45:04 -0600 (CST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@lehigh.edu
Subject: [110340] Reciprocity
Message-ID: <200111021745.fA2Hj4S10059@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Regarding reciprocity, it should be mentioned that there are at least two angles on reciprocity, and that either angle can be questioned (or defended).

One angle is path reciprocity. The emphasis here is on what happens to a signal "in the air." If the ionosphere is refracting (not actually reflecting, ya know) signals from point A to point B, does that fact alone establish that an equivalent signal traveling from B to A instead would arrive at A in the same condition? That's the sort of question that comes up when we discuss the reciprocity of a propagation path.

Another angle on reciprocity is the reciprocity of antenna systems.

If my beam has a certain gain over my dipole for signals received from some given path, does that fact alone establish that signals I transmit over the two antennas over that path would have the same difference in received signal strength at the other end? Or, if I'm receiving someone S-9 on the three feet of hookup wire hung over my window curtain, and I transmit back to them using that wire as my transmitting antenna (and I put out the same power they are), will they receive my signal S-9? These are the sorts of questions that come up when we discuss the reciprocity of antenna systems.

My 2 cents' worth on the whole thing? Well, since you asked... ;)

Even the staunchest defenders of reciprocity admit there are some exceptions. The only remaining question becomes just how rare the exceptions are. My guess, for what it's worth (based on my own, non-scientifically-conducted personal experience, and the stories I've heard from other hams) is that we can be pretty sure the exceptions are more common than pure theory suggests they would be.

73,
Jim WB5UDE

Date: Fri, 2 Nov 2001 10:41:42 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <jstamper@shentel.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110341] Re: How do you answer QRL? Abbreviations?
Message-ID: <005101c163c5\$a30e6020\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

"C" is best to start with. Short, simple, traditional. Why? Because phonetically "C" sounds like "Si" the Spanish word for yes.

If that fails I would send QRL because QRL means: "This frequency is in use"

Finally I would send "Y" or "YES" if still hearing QRL?

For more great information on correct/traditional CW usage check:

http://www.alltel.net/~johnshan/cw_ss_list_q.html

http://www.alltel.net/~johnshan/cw_ss_list_abbr.html

and

http://www.alltel.net/~johnshan/cw_ss_proc.html

And don't forget one last thing, the station sending "QRL?" may not hear you! The propagation path may not be symmetrical. Jim AL7FS has reported many times not hear stations but station hearing him and visa versa.

GL

73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "Jim Stamper" <jstamper@shentel.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, November 02, 2001 10:13 AM

Subject: How do you answer QRL? Abbreviations?

> Last night, right about where people were answering Larry, a station
(well
> over S-9) sent "QRL?"
>
> Immediately, somebody on the frequency sent "C." That's the answer
I
> usually give, too.
>
> The station sent "QRL?" again. So I sent a "C" then.
>
> About 3 seconds passed and then he sent "CQ CQ CQ CQ DE"
etc.
> Nobody, as far as I could tell, answered him and he went away with
virtually
> no harm done.
>
> Wonder if QRL means I am about to use this frequency?
>
> Would it be better to send "YES" you think?
>

Date: Fri, 02 Nov 2001 11:49:02 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU, 50mhz@topica.com, FT817@yahooogroups.com
Subject: [110342] FT-817 and 6 Mtrs
Message-ID: <3.0.2.32.20011102114902.0083ba60@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

This morning (2 Nov) I was monitoring 6 for a possible opening using the FT-817 in my home office.

About 1448 UTC near 50.098 I heard FG5FR running stations and stopped work to listen. He was real strong (599+) so I gave him a call. He come back with a 589 for me and acknowledged my grid and a 73.

Not such a big deal on the Magic Band but I had added an additional 50 ft of RG-8X through a coax switch to run the antenna from the my shack into the home office. Who knows what my 5 Watts was by the time it reached my 4 elments up 25 ft.

What fun, what fun... 8^)...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Fri, 2 Nov 2001 12:49:55 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <sslyon@megalink.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [110343] RE: answer QRL?
Message-ID: <000001c163c6\$c8a4c300\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The use of "YES" and other lengthy replies are QRM-producing responses! Many times I've seen the legitimate sending station's important information (such as QSL manager or report) get clobbered by these long-ish replies.

The snappy "C" is the appropriate and traditional and conventional minimum-QRM response.

All ops should work to promote its use wherever possible. Education is required (good subject for www.eHam.com?)

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of ss Lyon
Sent: Friday, November 02, 2001 12:28 PM
To: Low Power Amateur Radio Discussion
Subject: answer QRL?

The convention may have changed, but since the 50's I've mostly heard/used:

"QRL ?" - as the question...
and
"QRL TU" - as the answer.

AA1MY
Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 02, 2001 12:13 PM
Subject: How do you answer QRL? Abbreviations?

> Last night, right about where people were answering Larry, a station (well
> over S-9) sent "QRL?"
>
> Immediately, somebody on the frequency sent "C." That's the answer I
> usually give, too.
>
> The station sent "QRL?" again. So I sent a "C" then.
>
> About 3 seconds passed and then he sent "CQ CQ CQ CQ DE" etc.

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virtually
> no harm done.
>
> Wonder if QRL means I am about to use this frequency?
>
> Would it be better to send "YES" you think?
>
> jim-
> KG4LDY
> James H. Stamper
> 519 Park Avenue
> Woodstock, VA 22664-1260
> 540-459-8350
>
> Anything not worth doing is not worth doing right.
>

Date: Fri, 2 Nov 2001 09:55:01 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110344] Re: QRP Frequencies
Message-ID: <20011102175501.60691.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

We have QRP CALLING FREQ. These have been shown in the ARRL band plans in the past. These are calling freq. not operating freq. as in the mode allacations in the band plans. Calling freq. means just that. Call CQ and then move either up or down to finish the QSO. Just because we chose to operate at qrp power levels does not give us the right to any part of a band. If we run CW, then we are to stay in the cw part of the band. If we run phone, we are to stay in the phone portion of the band. The use of a freq. by only one group is not condoned by either the FCC or the ARRL. There are , as said before, calling freq. which are set up by varieous groups for there own purpose. Again, make contact and move. All the nets are suppose to be + or - qrm.

Xtal control, have more than one xtal, or have one for just to one side of the calling freq.

Looking for you all in the SS this weekend. Have fun.

73, Bill KC4ATU

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Fri, 2 Nov 2001 12:58:17 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Jim Stamper <jstamper@shentel.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110345] Re: How do you answer QRL? Abbreviations?
Message-ID: <Pine.LNX.4.30.0111021251190.25200-1000000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 2 Nov 2001, Jim Stamper wrote:

>
> Wonder if QRL means I am about to use this frequency?
>
> Would it be better to send "YES" you think?

I believe the proper question is "QRL ?"

and the proper response is "QRL" without the question mark

...at least that is all I am listening for.

K9DC

Date: Fri, 2 Nov 2001 13:07:25 -0500
From: W2AGN <w2agn@pobox.com>
To: "Karl F. Larsen" <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110346] Re: QRP Frequencies
Message-ID: <01110213072503.10698@njbirdman>
Content-Type: text/plain;

charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Friday 02 November 2001 12:35, Karl F. Larsen wrote:

> After looking, there are no frequencies in any "bandplan" or other
> paper spelling out what are the frequencies for QRP use. I was told ARRL
> and one other entity had established QRP frequencies but on asking, they
> say no.

Karl,

Try checking:

http://www.qrparci.org/qrp_freqs.html

They have existed for a very long time. I don't think there is a lot of demand to change them among most QRPers.

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 2 Nov 2001 11:25:12 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110347] whence PSK31 on 30m
Message-ID: <00b401c163cb\$b693e060\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've listened around 10140 +/- a few the last few nites but hear nothing. Even called CQ a few times, no callbacks. Last night I called CQ for almost 15 min, around 0400z at an obnoxious 20W.

What's up?

73, Rod N0RC
Ft Collins, CO

psk31 Q-less in Fort Collins :-(

Date: Fri, 02 Nov 2001 11:41:25 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110348] Re: whence PSK31 on 30m
Message-ID: <1004726484.3be2e8d50052e@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Rod, I have called CQ on the 30M band for over an hour
with no answer. Maybe I will be on the same time that
you are some time. I will not give up 30M psk31.
73, Jim W7ANF

Quoting Rod N0RC <rod@n0rc.com>:

> I've listened around 10140 +/- a few the last few nites but hear
> nothing. Even called CQ a few times, no callbacks. Last night I called
> CQ for almost 15 min, around 0400z at an obnoxious 20W.
>
> What's up?
>
> 73, Rod N0RC psk31 Q-less in Fort Collins :-(
> Ft Collins, CO
>
>

Date: Fri, 2 Nov 2001 14:06:22 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [110349] RE: DCTL's and apartments
Message-ID: <NFBKLDHALEHCJMAJPKFMEEFCFAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got a lot of responses for design on the 6:1 balun ... so I posted a page
on my site for it. This page is NOT linked anywhere from the site - it is
(for now) available to you folks only.

<http://www.bytemark.com/amidon/lb300.htm>

It includes a schematic and explanation of the wire diameters and

transformation. We do sell these commercially, but we don't keep them in stock so there would be lead time if you want one done by us.

Y'all tear it up!

Tracy Markham, N4LGH

CWS International (formerly ByteMark)

tracy@bytemark.com

800-679-3184

Date: Fri, 02 Nov 2001 14:09:16 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [110350] Re: QRP Frequencies
Message-ID: <3BE2EF5C.88BE0EBA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

There you go again, saying something that is not true! While the QRP frequencies may not appear in the ARRL or IARU bandplans, they do appear in the QRP ARCI bandplan and have been in constant use for at least 25 years. BUT, even if they appear in the ARRL bandplan, they would have NO LEGAL STATUS. A bandplan is merely an agreement on where to put whom. It has NO LEGAL STATUS, it NEVER would have any. Please don't spread this myth!

73

>

> The current QRP frequencies are the result of use and have been
> given some formal understanding by this list. But if a guy with a kw and a
> good antenna gets on 7040 and calls CQ, there is no legal way to stop him.
> We can only hope he will get tired of it and move elsewhere.
>

Date: Fri, 2 Nov 2001 14:11:29 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n6wg@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [110351] Re: Lighting

Message-ID: <003f01c163d2\$2f589120\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now if we're talking about inspecting your work...

We had a, well, a piece of equipment fail at work. Can't say what it is, other than it involved one of those super tiny HDs. But it just happened to be the day I brought in my son's Intel QX3 that I got him for Christmas.

Yep, plugged it in to demo it, and one of the guys picked it up to play and was examining the item that failed, and sure enough, he found the problem with it.

I know it sounds like ridiculous overkill, but hey, it's less than \$90 dollars!

Mike

> I suggest one of the extension arm lamps with magnifying lens and circular
> fluorescent tube. You can place the light where you want it, and you have
> the lens for whenever things are a bit too tiny for comfort. Also great for
> inspecting your work after soldering to see if any hairline connections that
> you don't want.
> 73, Bob N6WG

Date: Fri, 2 Nov 2001 15:05:12 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [110352] Re: Reciprocity, another consideration...
Message-ID: <200111021934.fA2JYWs02376@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I often encounter one way propagation when calling CQ. Normal two way

propagation is restored when answering someone elses CQ :-)

I think this is a big part of the Reciprocity factor, how much the other end wants to hear you!

72,

Steve, KD1JV in the White Mountains of New Hampshire

"Melt Solder"

<http://www.qsl.net/kd1jv/index.html>

Date: Fri, 2 Nov 2001 14:43:02 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [110353] Re: QRP Frequencies

Message-ID: <0f5b01c163d6\$96af3320\$7001a8c0@lwrnc1.in.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

It may be LEGAL but it's not nice. Those who don't follow the agreements are not considerate of others. Everyone should be aware of the agreements outlined by the ARRL, IARU, QRP ARCI, etc. and "play nice".

--> especially during contests. ;-)

72/73 DE KA8MAV (Brice)

Indianapolis, IN EM79au

QRPP-I #1, QRP ARCI #10972, QRP-L #2360,

KLQRP, FPQRP -156, ARS #1,138, ARRL

QRPP International

Tiny Tornado Transceiver Kits

<http://www.QRPP-I.com>

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Friday, November 02, 2001 2:09 PM

Subject: Re: QRP Frequencies

> Karl,

>

> There you go again, saying something that is not true! While the QRP

> frequencies may not appear in the ARRL or IARU bandplans, they do appear
> in the QRP ARCI bandplan and have been in constant use for at least 25
> years. BUT, even if they appear in the ARRL bandplan, they would have
> NO LEGAL STATUS. A bandplan is merely an agreement on where to put
> whom. It has NO LEGAL STATUS, it NEVER would have any. Please don't
> spread this myth!
>
> 73
> >
> > The current QRP frequencies are the result of use and have been
> > given some formal understanding by this list. But if a guy with a kw and
> a
> > good antenna gets on 7040 and calls CQ, there is no legal way to stop
him.
> > We can only hope he will get tired of it and move elsewhere.
> >
>

Date: Fri, 2 Nov 2001 12:43:31 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [110354] FOX: N2WW probably tomorrow
Message-ID: <3BE294F3.16270.9FD2F8@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi, Guys--

I talked to Larry and he hopes to have his log ready tomorrow.

He deserves a bit of sympathy and patience as one of the victims of the 9/11 thing-- he lost his job with a travel agency and has found work as a bank courier. This means 11 hour days, driving 350 miles per day, and a 45 minute "commute" before and after. So the only time he has is on weekends, and last weekend was fully occupied by the CQ WW.

So... please accept his apologies, and look for his log this weekend.

73
Marshall Emm
N1FN/VK5FN

n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Fri, 02 Nov 2001 11:44:08 -0800
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [110355] BULL: QRP Bulls...Let us know how you're doin'...
Message-ID: <F2392Tx7NnFrDahvVKq00020e12@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'll be interested to know how the various QRP Bulls are doing this weekend during SS. To that end, I'll be periodically posting contest progress to the reflector this weekend with BULL on the front of the subject header...

... ;) Those that wish can set up their filters accordingly. Otherwise, I'll be looking forward to seeing how others (Bulls and non-Bull QRPers alike) are doing in Sweepstakes along the way.

73 John K7FD Q 67 OR
K2/586 3el Quad @ 60', 40m Loop @ 40', 75m Vee @ 65'
Special SS eqsl to all...worthless, but fun!

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 02 Nov 2001 13:44:02 -0600
From: "George, W5YR" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110356] Re: QRP Frequencies
Message-ID: <3BE2F782.DDF361FA@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From what I have read from the FCC, while Part 97 does not make any

bandplan "legal" the FCC do appear to take the position that "good amateur operating practice" involves recognition of and adherence to existing bandplans.

So, in a sense, we ignore them at our peril, plus not playing nice with the other children.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Bruce Muscolino wrote:

>
> Karl,
>
> There you go again, saying something that is not true! While the QRP
> frequencies may not appear in the ARRL or IARU bandplans, they do appear
> in the QRP ARCI bandplan and have been in constant use for at least 25
> years. BUT, even if they appear in the ARRL bandplan, they would have
> NO LEGAL STATUS. A bandplan is merely an agreement on where to put
> whom. It has NO LEGAL STATUS, it NEVER would have any. Please don't
> spread this myth!
>
> 73
>

Date: Fri, 2 Nov 2001 14:53:32 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <gingrich2@dcg.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [110357] Re: How do you answer QRL? Abbreviations?
Message-ID: <0f8501c163d8\$0dff3780\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've read you answer "QRL?" with a "C" meaning you are already using the frequency.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS #1,138, ARRL

QRPp International
Tiny-Tornado Transceiver Kits
<http://www.QRPp-I.com>

----- Original Message -----

From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, November 02, 2001 12:58 PM
Subject: Re: How do you answer QRL? Abbreviations?

>
> On Fri, 2 Nov 2001, Jim Stamper wrote:
>
> >
> > Wonder if QRL means I am about to use this frequency?
> >
> > Would it be better to send "YES" you think?
>
>
> I believe the proper question is "QRL ?"
>
> and the proper response is "QRL" without the question mark
>
> ...at least that is all I am listening for.
>
> K9DC
>

Date: Fri, 2 Nov 2001 20:56:38 +0100
From: "Leo Starrenburg PE10BG" <pe1obg@home.nl>
To: <QRP-L@Lehigh.EDU>
Subject: [110358] Icom mic AF amplitude ?
Message-ID: <[00b301c163d8\\$7c4a1480\\$680d33d5@mill11.lb.nl.home.com](mailto:00b301c163d8$7c4a1480$680d33d5@mill11.lb.nl.home.com)>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hope you can help me with the following:

What is the required mic AF amplitude for an Icom ic260 ?

I brewed up a simple table-mic with an electret mic element (two wire

version), feeding 9 Volt trough a 8K6 resitor and taking the AF from the junction of the resistor and the element + terminal trough a 10 mmF cap to the rig.

There is some modulation, but way to low. Should i follow the electret with a simple voltage amplifier ?

tia es 73' Leo.

Date: Fri, 02 Nov 2001 14:03:26 -0600
From: "George, W5YR" <w5yr@att.net>
To: pe1obg@home.nl
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110359] Re: Icom mic AF amplitude ?
Message-ID: <3BE2FC0E.11B37183@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If that isn't a typo, 10 mmf or 10 pf is way too small for this application. Try going to a 10 microfarad cap properly polarized. You can also try reducing the current-limiting resistor.

If none of that works, you may need to add a small pre-amp stage. Most Icom mics use electret elements with an internal amp. If you have the manual for your radio, it probably will give a schematic of the mic that came with it. You can get some ideas from there.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Leo Starrenburg PE10BG wrote:

>
> I hope you can help me with the following:
>
> What is the required mic AF amplitude for an Icom ic260 ?
>
> I brewed up a simple table-mic with an electret mic element (two wire
> version), feeding 9 Volt trough a 8K6 resitor and taking the AF from the
> junction of the resistor and the element + terminal trough a 10 mmF cap
> to the rig.
>

> There is some modulation, but way to low. Should i follow the electret
> with a simple voltage amplifier ?

Date: Fri, 02 Nov 2001 15:02:41 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "Brice D. Hornback" <bdh@cyberbound.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [110360] Re: QRP Frequencies
Message-ID: <3BE2FBE1.80EB821A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brice,

I didn't say anything about playing nice. Playgrounds at schools have enough trouble getting kids to play nice! It would be so nice if you would all get off the roads when I commute to work too, or out of the way at the supermarket too!

Yours is a very nice idea, but someday you will be confronted with the desire to win a contest, or even participate and make a good score, and then we'll see if you play nice on the bands! Contrary to popular opinion, contests mean different things to different people!

73

Date: Fri, 02 Nov 2001 15:17:41 -0500
From: Pete Burbank <plburbank@kih.net>
To: mgemm@mtechnologies.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110361] Re: FOX: N2WW probably tomorrow
Message-ID: <5.0.2.1.0.20011102150753.00ae5510@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

All the best to Larry.

This last month has been painful to all.

The log thing should not be a concern for any of us nasty hounds.

73 to ALL

Pete NV4V

Date: Fri, 2 Nov 2001 12:27:08 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [110362] Re: whence PSK31 on 30m
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F08741199@hq-expo2.filenet.com>

To chime in (with apologies), maybe we should start some activity up there.
I rarely hear *any* other PSK31 activity on anything but 20 meters.

Bill, K6WHP

Date: Fri, 2 Nov 2001 15:39:56 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [110363] FS: SW-40+
Message-ID: <000d01c163de\$8f73b920\$71609c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For sale Small Wonder Lads SW-40+ QRP rig.
Has built in RIT, Small Wonder Labs FREQ-Mite and an on-off switch with LED
indicator lamp.

This unit is in excellent condition. It covers about 23 KC but can be easily
changed by changing one capacitor.

Asking \$105.00 including shipping in Conusa.

If interested please e-mail me directly.

Thanks.

John K2JHU...
jdorson@worldshare.net

Date: Fri, 02 Nov 2001 15:46:08 -0500
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: wphinizy@filenet.com, qrp-1@Lehigh.EDU
Subject: [110364] Re: whence PSK31 on 30m
Message-ID: <F262sEawxxaRs5e1yGj0001a80d@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I am revamping/reassembling my shack from CQWW (Had to take my own radio to a contest...can you believe it? Hi Hi) Anyway, once I get it all back together, I am willing to try some 30m psk. Look for me on Monday and Tuesday nights next week.

Tim A. King, Jr.

KG4MQD

Safety Officer, Hobby Park R/C Aircraft Club

Winston Salem, NC

AMA# 578668

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

Albert Einstein (1879-1955)

-----Original Message Follows-----

From: "Phinizy, William" <wphinizy@filenet.com>

Reply-To: wphinizy@filenet.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: Re: whence PSK31 on 30m

Date: Fri, 2 Nov 2001 12:27:08 -0800

To chime in (with apologies), maybe we should start some activity up there. I rarely hear *any* other PSK31 activity on anything but 20 meters.

Bill, K6WHP

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 2 Nov 2001 15:50:13 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: "Bruce Muscolino" <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [110365] Re: QRP Frequencies
Message-ID: <0fa401c163df\$f91bf3a0\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce,

I've been a ham for 22 years. Although I didn't stay active that whole time due partially to my own stupidity... I have become very active and plan to stay active until I'm burried along with my QRP rigs. At least then... I'll have a good ground plane! But until then... I never have nor will I ever be happy in any success in a contest or acheiving a desired goal at the expense of someone else (ON or off the air). If everyone thinks as you do, ham radio wouldn't be *fun*. Read your Part 97. Play Nice or they'll take your license away. Anyone being a "jerk" on the air just because they want to WIN a contest isn't an excuse. It's rude, inconsiderate, and possibly illegal.

Contests are for fun. It's a challenging way to participate with others in a hobby you enjoy. If it becomes more than that... and it affects others in a negative way... it's time to do some serious thinking about why you got into ham radio in the first place.

In reply to some peoples questions about why they aren't heard during a contest... well... ever stop and think if you play fair? If not... maybe the receiving end simply chooses not to hear you. So... play nice... play fair... If you can't, there is always CB when your license is revoked or no one else on the Ham bands choose to talk to you.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS #1,138, ARRL

QRPP International
<http://www.QRPP-I.com>

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>
To: Brice D. Hornback <bdh@cyberbound.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, November 02, 2001 3:02 PM
Subject: Re: QRP Frequencies

> Brice,
>
> I didn't say anything about playing nice. Playgrounds at schools have
> enough trouble getting kids to play nice! It would be so nice if you
> would all get off the roads when I commute to work too, or out of the
> way at the supermarket too!
> Yours is a very nice idea, but someday you will be confronted with the
> desire to win a contest, or even participate and make a good score, and
> then we'll see if you play nice on the bands! Contrary to popular
> opinion, contests mean different things to different people!
>
> 73
>

Date: Fri, 2 Nov 2001 13:52:36 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [110366] Re: QRP Frequencies
Message-ID: <20011102.135239.-364925.5.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Oh well, that's Karl.

I have been operating QRP since about 1970 or 71
and in that 30 years or so, the current calling frequencies
have been in effect. They have on occasion been mentioned
in various publications, including QST - only the recently
added WARC bands are still in question at times.
And should one ignore the generally agreed to bandplan
regardless of publication or not, the FCC can and will
cite one for causing deliberate interference. They just
did so within the past few weeks for stations insisting
on operating in the "dx calling window" .
I have on occasion wished we could change to
(particularly on 40) other frequencies but the consequences
or worse than the existing problems, it seems. And Karl
we have discussed this time and again, and if you would
go to the qrp-l Archives or pick up some qrp publications
from the past, you would see what the calling frequencies
are, and have been, and will probably continue to be for
some time to come.

Date: Fri, 2 Nov 2001 15:57:12 EST
From: ARDUJENSKI@aol.com
To: nwq-1@scn.org, qrp-1@lehigh.edu
Subject: [110367] CHAT NITE
Message-ID: <118.706d760.291462a8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

As you know we have been having CHAT NITE all week here in Pac NW area. Tonite iwll be the last nite for the 20ft by 20ft portable inverted-L so would appreciate on and all stopping by for a report and a short howdy-do. I hang around 7118. Next week I will be using the 33ft by 33ft inverted-L and the following week the 40ft by 40ft.

Next week CHAT WEEK will continue hoping for some better band conditions. Generally the porch light comes on 8pm (0400z) and will remain on as long as some folks want to jaw a bit (errr--fist that is).

The idea is to promote QRPers and non QRPers alike to just meet on the air and get to meet some of those with similar interests

I know y'all are busy but I' sure if you try you can stop by the band for a short QSO with a fella ham or two

Alan KB7MBI in Woodinville, WA
FISTS 5702

Date: Fri, 02 Nov 2001 21:00:01 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110368] Re: QRP Frequencies
Message-ID: <3BE2C301.1C076629@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Friday, 02 November 2001, Bruce Muscolino wrote:

> A bandplan is merely an agreement on where to put
> whom. It has NO LEGAL STATUS, it NEVER would have any.

So I can operate SSB on 14005 and not hear from the FCC? KOOL!!!!

72 //Gary *K8KFJ*

Date: Fri, 2 Nov 2001 21:31:08 -0000
From: "Ted Williams" <ted@g0ull.fsnet.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [110369] Re: Reciprocity (with a c)
Message-ID: <017401c163e5\$b2ac9540\$0100000a@duron800>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks:

I think the principle of reciprocity is sound, but it can be modified very much by local QRM.

Here in London, England, the industrial activity levels are high, with multiple sources of rf, machine noise from cars and trains, machine tools - all in close proximity. (sri, should have said 'autos').

As a result, the receive noise level plateau in London is very high, and a qrp incoming signal may not be heard. However, the tx signal is not subject to this noise, and a receiver in an isolated low-noise area will hear it very well. He won't understand why you can't hear him, and quoting reciprocity in these circumstances doesn't win any cigars.

That's my tuppenny worth.

Ted, g0ull

Date: Fri, 2 Nov 2001 13:58:49 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [110370] Soldering silver colored wire.
Message-ID: <20011102215849.15172.qmail@web13006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Have a piece of silver colored wire coming out of an

80 watt computer power supply.
Cannot determine the kind of metal in the wire.
Have tried to attach dc connector but the solder does
not seem to take.
Any suggestion?
Thanks and 73,
Jim kt4a

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Fri, 2 Nov 2001 14:01:47 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [110371] Dayton Weather
Message-ID: <005501c163e9\$fa2f05c0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody know what the weather is gonna be in Dayton for this weekend? I
would look it up myself, but I am too busy trying to make some coil dope.
Gotta get that VFO stabilized so I can operate at really high CW speeds in
this weekend's contest. Of course, I will not do a fox hunt on the WARC
bands, but restrict myself to the QRP Operating Frequencies. Have a good
weekend, and I hope the theory of reciprocity holds up here too. 72, Doug

Date: Fri, 2 Nov 2001 15:01:08 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: <k5di@zianet.com>,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110372] Re: QRP Frequencies
Message-ID: <Pine.LNX.4.33.0111021454250.2980-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bruce, much as it pains me, I must stop receiving and responding to your
e-mail. Here in this one you are saying I did something I have not done.

This is not the first time, but it will be the last.

I use a Unix computer called Linux. When I want to be rid of anything I send it to the address /dev/null. I will now set this computer which checks each e-mail that comes in to send all mail from you to that address.

On Fri, 2 Nov 2001, Bruce Muscolino wrote:

> Karl,
>
> There you go again, saying something that is not true! While the QRP
> frequencies may not appear in the ARRL or IARU bandplans, they do appear
> in the QRP ARCI bandplan and have been in constant use for at least 25
> years. BUT, even if they appear in the ARRL bandplan, they would have
> NO LEGAL STATUS. A bandplan is merely an agreement on where to put
> whom. It has NO LEGAL STATUS, it NEVER would have any. Please don't
> spread this myth!
>
> 73
> >
> > The current QRP frequencies are the result of use and have been
> > given some formal understanding by this list. But if a guy with a kw and a
> > good antenna gets on 7040 and calls CQ, there is no legal way to stop him.
> > We can only hope he will get tired of it and move elsewhere.
> >
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Fri, 2 Nov 2001 15:13:18 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ted Williams <ted@g0ull.fsnet.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110373] Re: Reciprocity (with a c)
Message-ID: <Pine.LNX.4.33.0111021508080.2980-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ted, Local noise is a well known problem with radio reciprocity and it is a real pain. Last evening I was trying to work both 40 meter Foxes and got one but really could not hear the second due to a high noise level.

Then it occurred to me I was using the little switching wall wart power supply on the 817 and so re-plugged it into a old series regulator supply and the s8 noise dropped to s1! I could then hear the other Fox just fine and worked him...:-)

On Fri, 2 Nov 2001, Ted Williams wrote:

> Hi Folks:
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> I think the principle of reciprocity is sound, but it can be modified very
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> Here in London, England, the industrial activity levels are high, with
> multiple sources of rf, machine noise from cars and trains, machine tools -
> all in close proximity. (sri, should have said 'autos').
>
> As a result, the receive noise level plateau in London is very high, and a
> qrp incoming signal may not be heard. However, the tx signal is not subject
> to this noise, and a receiver in an isolated low-noise area will hear it
> very well. He won't understand why you can't hear him, and quoting
> reciprocity in these circumstances doesn't win any cigars.
>
> That's my tuppenny worth.
>
> Ted, g0u1l
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 17:12:51 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110374] RE: How do you answer QRL? Abbreviations?
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3AC6@KAHLESS>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

I usually say "QRL HR PSE QSY TU" Just sending a "C" tends to get lost more often than not. "YES PSE QSY TU" is a bit shorter and also tends to work. The "TU" at the end seems to make a big difference!

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Brice D. Hornback [mailto:bdh@cyberbound.net]

> Sent: Friday, November 02, 2001 2:54 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: How do you answer QRL? Abbreviations?

>

>

> I've read you answer "QRL?" with a "C" meaning you are

> already using the

> frequency.

>

> 72/73 DE KA8MAV (Brice)

> Indianapolis, IN EM79au

> QRPp-I #1, QRP ARCI #10972, QRP-L #2360,

> KLQRP, FPQRP -156, ARS #1,138, ARRL

>

> QRPp International

> Tiny-Tornado Transceiver Kits

> <http://www.QRPp-I.com>

>

> ----- Original Message -----

> From: Dave Gingrich K9DC <gingrich2@dcg.org>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Friday, November 02, 2001 12:58 PM

> Subject: Re: How do you answer QRL? Abbreviations?

>

>

> >

> > On Fri, 2 Nov 2001, Jim Stamper wrote:

> >

> > >
> > > Wonder if QRL means I am about to use this frequency?
> > >
> > > Would it be better to send "YES" you think?
> >
> >
> > I believe the proper question is "QRL ?"
> >
> > and the proper response is "QRL" without the question mark
> >
> > ...at least that is all I am listening for.
> >
> > K9DC
> >
>

Date: Fri, 2 Nov 2001 17:18:19 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110375] RE: QRP Frequencies
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3AC7@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

One one hand, the FCC is telling the Amateur Radio Service that it believes that bandplans are the best way for the Amateur Radio Service to use it spectrum. The reason for this is flexibility; it is a LOT easier to change a bandplan to accomodate future changes in Amateur Radio than it is to change hard-coded regulations.

But do not misconstrue -- the FCC's willingness to cite amateurs for deliberately operating outside those band plans does NOT make them defacto regulations. The flexibility that the FCC has in mind can also be day-to-day flexibility, so the weekend of the phone 'test, the SSB operation will probably extend well outside the band plan -- ditto for RTTY the weekend of the digital contest. The citation is for lack of "good operating practice" and saying that one has chosen a particular frequency because all the other frequencies were already in use is a perfect example of making the best us of band planning vs mode-allocation regulations.

In this, as in all things, common sense can prevail. I am sure the Commission can easily distinguish between operating outside the band plan to accomodate a crowded band as opposed to operating outside the band plan as a way to gore someone's ox. I sure can, and I give Hollingsworth et al credit for at least as much savvy about these things I you and I have.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: George, W5YR [mailto:w5yr@att.net]

> Sent: Friday, November 02, 2001 2:44 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP Frequencies

>

>

> >From what I have read from the FCC, while Part 97 does not make any
> bandplan "legal" the FCC do appear to take the position that
> "good amateur
> operating practice" involves recognition of and adherence to existing
> bandplans.

>

> So, in a sense, we ignore them at our peril, plus not playing
> nice with the
> other children.

>

> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373

> NETXQRP 6

> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262

> Amateur Radio W5YR, in the 56th year and it just keeps getting better!

> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

>

>

> Bruce Muscolino wrote:

> >

> > Karl,

> >

> > There you go again, saying something that is not true!

> While the QRP

> > frequencies may not appear in the ARRL or IARU bandplans,
> they do appear

> > in the QRP ARCI bandplan and have been in constant use for
> at least 25

> > years. BUT, even if they appear in the ARRL bandplan, they
> would have

> > NO LEGAL STATUS. A bandplan is merely an agreement on where to put
> > whom. It has NO LEGAL STATUS, it NEVER would have any.
> Please don't
> > spread this myth!
> >
> > 73
> >
>

Date: Fri, 2 Nov 2001 15:21:55 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Carpenter <w5usj@globeco.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110376] Re: FT-817 and 6 Mtrs
Message-ID: <Pine.LNX.4.33.0111021519590.2980-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Chuck, there are guys like yourself who either by now or soon will get a 6 meter DXCC. They run more power than the 817 but don't need to.

On Fri, 2 Nov 2001, Chuck Carpenter wrote:

> Folks,
>
> This morning (2 Nov) I was monitoring 6 for a possible opening using the
> FT-817 in my home office.
>
> About 1448 UTC near 50.098 I heard FG5FR running stations and stopped work
> to listen. He was real strong (599+) so I gave him a call. He come back
> with a 589 for me and acknowledged my grid and a 73.
>
> Not such a big deal on the Magic Band but I had added an additional 50 ft
> of RG-8X through a coax switch to run the antenna from the my shack into
> the home office. Who knows what my 5 Watts was by the time it reached my 4
> elments up 25 ft.
>
> What fun, what fun... 8^)...
>
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
> Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 2 Nov 2001 11:04:13 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@neale.gpfn.sk.ca, qrp-1@lehigh.edu
Subject: [110377] Propagation for SS
Message-ID: <Pine.SUN.4.10.10111021041330.4099-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The sun contains two very large active regions that has produced some large flares past few days. The largest area is now past the center of the sun, rotating eastward, and now slipping out of the "geoeffective window." This means should any more major flares occur, the shock waves likely will not effect earth by much. The only real concern is the shockwave traveling outward from the sun from yesterdays M-class flares. It **could** impact earth late saturday and cause some storming conditions (enhanced noise/bursty conditions) on 40M late evening.

Solar flux is 236. That's quite high to support very good propagation on the higher bands. 10M will be quite good, and probably gobs of activity just due to SS. 15M will remain open well into the evening hours, and of course 20M will be open around the clock. These are the bands influenced the most by the solar flux values.

The geomagnetic forecast shows an A-index around 10-15 over the weekend for unsettled conditions. This means 40M during evening hours will be in fairly good shape, normal noise levels, for SS. The cooler evening air also adds a bit to keep the lower bands quieter (not to mention most thunderstorm activity is about over). If the shockwave from yesterday's M3 flare impacts us saturday evening, it could cause elevated noise levels for several hours following, but not likely to be a big event.

Propagation wise ... before local noon, signals on 20M and above will favor a southwest-to-northeast direction. Around noon, +/- a couple of hours, more or less due east-west. Mid-afternoon to mid evening, signals will favor a northwest-to-southeast direction. And of course around sunset, the "grayline" propagation is often good for working north-south ... that is, squirt your signals into areas you may not

work into at other times (pick up a few SPC's you probably won't hear at other times). The above information can be used to select which antenna or direction to use at different times of the day, or which areas of the country you can expect to get into as the day/nite progresses.

GL to all participating in SS. Though some people really get serious about this contesting stuff, claiming it's only purpose is to prove skill, I always consider them to be fun events. I will probably get on now and again just for the fun of it. Maybe hand out bogus sections or sign "RG8U" or something equally as fun :-)

Generally, conditions will be quite good over the weekend for a good SS.

72, Paul NA5N

ET1(SS) SSBN 601(G) ret.

^^

Got my SS award ... called "dolphins" and a patrol pin!

Date: Fri, 2 Nov 2001 17:23:41 -0500

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [110378] RE: Reciprocity (with a c)

Message-ID: <125490A005E3D3118C9C00805FC743CC023B3AC8@KAHLESS>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Ouch. Often, these switch-mode power supplies put out noise that peaks every "N" kHz, with N typically being from 15 to 50 kHz or so. The sound can range from almost a sine wave to a broadband buzz. Typically, the frequency of the peaks tends to be a bit unstable, drifting slowly up or down the band.

What brand/model of wall wart? Can you send it to me here at ARRL HQ? We have been doing some testing of the conducted emissions levels of these things and I would like to see if the one that gave you fits is above the FCC limits. I may send the worst of the ones we test to the FCC.

The levels of emissions are covered in Part 15. The bottom line is that the "legal" levels can result in S9 noise for hams. :-(The League fought that battle decades ago and lost. For more info on Part 15, see:

<http://www.arrl.org/tis/info/part15.html>

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Karl F. Larsen [mailto:k5di@zianet.com]
> Sent: Friday, November 02, 2001 5:13 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Reciprocity (with a c)
>
>
>
> Hi Ted, Local noise is a well known problem with radio
> reciprocity and it
> is a real pain. Last evening I was trying to work both 40
> meter Foxes and
> got one but really could not hear the second due to a high
> noise level.
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> supply on the 817 and so re-plugged it into a old series
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> > reciprocity in these circumstances doesn't win any cigars.
> >
> > That's my tuppenny worth.
> >
> > Ted, g0u1l
> >
> >
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.qsl.net/k5di/>
>

Date: Fri, 2 Nov 2001 17:27:09 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110379] RE: QRP Frequencies
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3AC9@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Keep one thing in mind -- 7040 kHz has been a DX RTTY calling frequency for more years than it has been a QRP calling frequency. Who is violating who's band plan when QRP CW interferes with the US stations trying to work the European digital signals?

I think the bottom line is that there are many operating interests sharing the ham bands and that we will occasionally run into other interests that conflict with our own. The band plans are there to help us follow the "real" not to cause deliberate interference with each other, by separating modes that may not be mutually compatible enough for hams to recognize such mutual interference. The real rule is basically "first come first serve" on frequencies in the ham bands.

73,

Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Bruce Muscolino [mailto:w6toy@erols.com]

> Sent: Friday, November 02, 2001 2:09 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP Frequencies

>

>

> Karl,

>

> There you go again, saying something that is not true! While the QRP

> frequencies may not appear in the ARRL or IARU bandplans,

> they do appear

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> > We can only hope he will get tired of it and move elsewhere.

> >

>

Date: Fri, 2 Nov 2001 17:31:21 -0500

From: W2AGN <w2agn@pobox.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [110380] Re: Reciprocity (with 2 c's!!!)

Message-ID: <01110217312101.02060@njbirdman>

Content-Type: text/plain;

charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Come on guys, let's not make it appear as if the QRP gang are a bunch of illiterates! It's R E C I P R O C I T Y

and by the way, it's T O R O I D S not "torroids" or "torrids."

Lesson over.

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 02 Nov 2001 22:29:59 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110381] Re: QRP Frequencies
Message-ID: <3BE2D817.2349AF7C@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Wednesday, 02 November 2001, K8KFJ wrote:

> So I can operate SSB on 14005 and not hear from the FCC? K00L!!!!

Hey dummy ... you know that's covered in the rules (97.301). If you don't have something constructive to contribute, why don't you go work some CW. HI

Sometimes I wonder about myself. :-)

72 //Gary *K8KFJ*

Date: Fri, 2 Nov 2001 17:36:19 -0500
From: W2AGN <w2agn@pobox.com>
To: QRP-L@LEHIGH.EDU
Subject: [110382] Example of Reciprocity
Message-ID: <01110217361902.02060@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

W0 XXX DE W2AGN FB OM UR 599 HERE IN NJ HW? BK
W2AGN DE W0XXX R UR ALSO 599 FB SIG HR. RIG IS FT1000MP AT 200W INTO 4 ELE AT
90 FT BK
DE W2AGN R FB RIG HR USING HB 5 WATTS INTO DIPOLE AT 20 FT HW?
W2AGN DE W0XXX SRI OM QSB ES QRM NO CPY UR SIG VY WEAK 73 SK DE W0XXX AR

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Fri, 2 Nov 2001 17:35:12 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'k3tks@u1.abs.net'" <k3tks@u1.abs.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110383] RE: QPRp Laser
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3ACA@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

See:

<http://www.arrl.org/tis/info/laser.html>

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: George Gingell [mailto:k3tks@u1.abs.net]
> Sent: Wednesday, October 31, 2001 10:05 PM
> To: Low Power Amateur Radio Discussion

> Subject: QPRp Laser
>
>
> HI Al,
>
> It has been a long time since I have had any free time, but a
> few years
> ago I did play a bit with the Helium Lasers. We did some
> experiments, and
> stuff for show es tell the the Cub Scouts that I had at the time.
>
> I still have it down stairs somewhere. The more powerful
> versions were too
> expensive for me at the time.
>
> I believe QST and 73 had articles on some practical setups.
> The Fresnel
> Lens comes to mind as part of the Receive end Focusing element.
>
> Also A couple of locals were experimenting with the Laser Pointers. An
> engineer friend of mine, convinced me to buy a few laser pointers. I
> understand that a simple Modulation Scheme can be arranged by
> inserting
> the Audio Output transformer Output in series with the
> Battery Power to
> the laser pointer. I was thinking that a PIC Controller
> might be used to
> convert Serial data to modulation and be sent by the beam.
> More or less
> like the Fiber Optical Data LInks. I have a couple of those as well as
> some Fiber Optical Cables. Don't have the diagrams for the
> units though.
>
> Also They use IR Diodes I believe.
>
> I recently came across some Small Laser Pointers (5 Mw) in a Bullet
> Configuration powered by 3 LR44 Cells. Really Nice unit. I
> believe I paid
> \$ 10.00 each. I am waiting for a response from the Manufacturer, on a
> bulk price. I wanted to try using them in as a Controller for a QRP
> Beacon. If it dosen't work out, I can still give them away
> to the kids
> for Christmas. :^{
>
> Since the Case is Brass, It should be easy to make an
> extension for it to
> include the Control Circuit.
>

> I would like to hear from anyone else who is interested in
> playing with
> Laser Pointers for Communications, Control, or whatever. I
> will of course,
> make The Pointers Available to any interested parties at Cost Plus
> Postage. (QRPP-L)
>
>
>
>
> Sir George, The First :^}
>
> 72 ES
> QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
> Former QRP A.R.C.I. Net Manager and Board of Director Member.
> Gingell & Company, Ltd. Small Business Telephone Systems
> Commercial Locksmith Services (301) 572-6789 Office & Fax
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD
> 20904-7117
> Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
>
> Collector of Quartz Crystals and Telegraph Keys.
>
> "72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM
>
>

Date: Fri, 2 Nov 2001 17:37:19 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Larry Cahoon'" <lejek@erols.com>,
"Hare,Ed, W1RFI" <w1rfi@arrl.org>,
Subject: [110384] RE: [CLUB] Running of the Bulls - WE NEED MORE BULL!
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3ACB@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Okay, here's the deal. The year I ran 10 mw in the SS, if memory serves I worked 56 contacts in either 32 or 34 sections. I am convinced I hold the unofficial world's record for points per watt. I will offer a Handbook to anyone who unseats me. :-) The only provision I make is that the contacts must be over a reasonable distance, not a single contact over 3" with picopowatts. :-)

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Larry Cahoon [mailto:lejek@erols.com]
> Sent: Wednesday, October 31, 2001 8:32 PM
> To: w1rfi@arrl.org; Low Power Amateur Radio Discussion
> Subject: RE: [CLUB] Running of the Bulls - WE NEED MORE BULL!
>
>
> Now remind me Ed what was you SS milliwatt challenge?
>
> 73 de Larry.....WD3P in MD
>
> At 04:10 PM 10/31/2001 -0500, Hare,Ed, W1RFI wrote:
> >Let me sweeten the pot a bit like I did last year.
> >
> >I will provide a 2001 ARRL Handbook for the winning Bull and
> the winning
> >Matador. If you already have a Handbook, I can probably be
> talked into an
> >Antenna Book instead.
> >
> >I agree with Jim. 15 hours of operating time is a goal, but
> not at all a
> >necessity. What IS needed is significant time spent calling
> CQ, so that
> >other QRPer can work you.
> >
> >And, as always, please send in your QRP SS logs to ARRL,
> even if you only
> >make a few contacts. Last year, the Q class had more entries
> than the B
> >class, so we beat the big guns at something. I think that if
> every QRPer who
> >plays sent in a log, we might even beat them in total
> points! (Hah!) If you
> >only make a few contacts, you can send in a paper log, but
> paper logs need
> >to be handwritten or typed on an old "mill" typewriter. If a computer

> >document, the League wants them in ascii in "Cabrillo"
> format. Hey, I know,
> >this is a bummer for a few folks, but it really does help
> the League to do a
> >more thorough job at log checking, so let's bear with it.
> >
> >Look for me Sunday afternoon on 40 meters and 20 meters.
> Last year, I was
> >actually holding frequencies on 40 meters for 15 minutes at
> a time. :-) I
> >will try to get on some Saturday, but I gotta' put a new
> transmission in the
> >Deathmobile, so may not have a lot of time to operate.
> >
> >73,
> >Ed Hare, W1RFI
> >ARRL Lab
> >225 Main St
> >Newington, CT 06111
> >Tel: 860-594-0318
> >Internet: w1rfi@arrl.org
> >Web: <http://www.arrl.org/tis>
> >
> >
> >
> > > -----Original Message-----
> > > From: Jim Stafford [mailto:w4qo@amsat.org]
> > > Sent: Tuesday, October 30, 2001 11:42 AM
> > > To: qrp-l list; qrp@qth.net
> > > Cc: NoGaQRP Club; fpqrp; qrparci@topica.com; QRP Action Team
> > > Subject: [CLUB] Running of the Bulls - WE NEED MORE BULL!
> > >
> > >
> > > Folks, For complete QRP Bull info:
> > > <http://personal.palouse.net/rfoltz/arci/bulls.htm>
> > >
> > > I know the info went out late but QRPers respond fast! We
> > > have only 15
> > > bulls for this weekend's Sweepstakes contest. We have
> suggested that
> > > you need to operate quite a few hours to be a "bull"
> Let's just drop
> > > that idea - doesn't make sense really. We know you will
> > > operate all you
> > > can if you get on. For example, K7QO is a bull from - get this -
> > > WYOMING! Your chance to snag this state during the contest
> > > and for QRP
> > > WAS.

> > >
> > > So let's just say if you plan to get on and you would like to be a
> > > "bull" go ahead and sign up for your state/section. YES,
> we can have
> > > more than one bull from a state or section. Looks like
> the WNY boys -
> > > Bill, Al, and Richard will have some fun to see who has the
> > > most "bull"
> > > or should I have phrased that differently?
> > >
> > > So go to:
<http://personal.palouse.net/rfoltz/arci/bullst.htm> and check
> > out the current list. Decide you WILL get on this weekend and sign up
> > as a bull. Let's not have any NO BULL SECTIONS this year!!!
> >
> > For info on the QRP ARCI WAS QRP Award:
> > <http://www.qrparci.org/arciawds.html>
> >
> > Need a WAS check list: <http://www.qrparci.org/WAScheck.html>
> >
> > Can't be a bull? Be a matador - what's that? Just get on,
> > work one or
> > more stations during SS and SEND IN A LOG! That's it. Great
> > prizes for
> > top contenders.
> >
> > WE NEED MORE BULL IN QRP!!! Perhaps Nils can help!!
> >
> > Jim Stafford
> > W4QO
> > President QRP ARCI
> > [mailto: jim@w4qo.com](mailto:jim@w4qo.com)
> >
> >

Date: Fri, 2 Nov 2001 14:41:27 -0800 (PST)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [110385] Outbacker Joey - My Experience
Message-ID: <20011102224127.72271.qmail@web11608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My Experience with the Outbacker Joey

The other afternoon I plunked my FT-817 down on the kitchen table and worked England with 3 watts and a 3 foot antenna plugged directly into the back of the rig.

I used Outbacker's new portable antenna, the Joey. It's about 2 feet long with taps for each band. It has a stinger which slides down into the base and pulls out about a foot. It has a PL-259 connector at the base and comes with a 12 foot counterpoise wire. The SWR is low on all bands without a tuner.

I worked Fred, G3NSY from Shrewsbury, England. He was calling CQ on 10 meters, and I answered. I had set up my FT-817 with a small battery for power. I was running about 3 watts to the Joey.

Fred gave me a 579 signal report and I returned with a 589 report. He was running a Ten Tec Omni with 100 watts and a 3 element beam on a 60 foot tower. When I told him what I was using for equipment, he was incredulous. I think you must be pulling my leg, he sent back. Big sig for 3 watts and a stick for an antenna in the kitchen.

I was pretty pleased to be talking to England from the kitchen table with my 3 watts. You made my day, I sent. What would Marconi say? Fred answered: I think he would be very surprised.

So that was it. We signed and I moved down several Khz and worked another station this time out in Washington state. The little Joey has surprised me. I bought it as a lark. I didn't expect it could do much except with PSK-31. But the other night I worked Anguilla and St. Vincent on 20 meters with 5 watts. >From my desk in the shack, I worked several European stations with it and plenty of U.S. stations. I've tried it on all bands and even made several contacts on 80 meters. The first day I got it I made 7 contacts in an hour on 3 different bands with the antenna indoors.

So I ordered a little tripod that is designed to fit the Joey. It allows the Joey to sit on the ground. It comes with a Velcro strap so it can be attached to a tree limb too. I can even hook this thing to the door handle of the car. This afternoon I put my DSW-20, the

Joey and the tripod in my pack, and I took a walk with the dog in a large field not far from here. The antenna took just a moment to set up. I quickly worked Belgium and Slovenia on 20 meters.

Now I m not saying to go out and buy this antenna. It isn t magic. It s just some wire wound around a fiberglass stick. It s expensive and you could do much better with 20 feet of wire and a tuner. And the indoor antenna business is completely wacky. But I wanted to test it, to push the limits of portable operation with low power. And I wanted to know if something so small, so easy to set up would actually work.

It does.

73 Jim w1pid@arrl.net

Do You Yahoo!?
Find a job, post your resume.
<http://careers.yahoo.com>

Date: Fri, 2 Nov 2001 14:47:00 -0800 (PST)
From: agtaylor@llnl.gov
To: qrp-l@lehigh.edu
Subject: [110386] FOX: Updated log for K7GT
Message-ID: <200111022247.0AA22415@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

FOX log for FOXHUNT of Nov 2, 2001 (UTC) from K7GT

corrected to 2300Z, 2 Nov 2001

Exchange: K7GT RST CA ALLAN 5W

0200	KB9LGJ	599	CA	TIM	5W
0201	K0EVZ	550	ND	DOC	2W
0202	KB7WW	559	OR	ART	5W
0203	NQ7X	559	AZ	FLOYD	5W

0204	K7TQ	559	ID	RANDY	5W
0205	AD6JV	559	CA	BILL	5W
0206	N1FN	559	CO	ET	5W
0207	N0TU	559	CO	STEVE	5W
0207	W7ILW	559	AZ	WALT	5W
0209	VE6JAZ	559	AB	ROB	5W
0210	W4NJK	559	CA	CHARLIE	5W
0211	VE6EX	559	AB	DAN	5W
0213	K5DI	559	NM	KARL	5W
0213	K7FD	579	OR	JOHN	5W
0215	N6VOH	599	CA	BARRY	5W
0216	AA7XA	559	OR	FRANK	5W
0218	KK5LD	559	TX	DAN	5W
0220	KQ5U	559	TX	TERRY	5W
0222	W5YR	559	TX	GEORGE	5W
0223	N4ROA	559	VA	DAN	5W
0224	W3CD	599	CA	BOB	5W
0227	W0CH	559	MO	DAVE	5W
0228	KE6RS	559	CA	RON	5W
0229	WB5QYT	559	NM	TOM	5W
0230	K6VNX	559	CA	ARLEN	5W
0231	W5YA	579	NM	FRED	5W
0232	N5GJQ	569	LA	MIKE	5W
0234	N0AF	559	OK	SCOTT	5W
0235	N6WG	559	CA	BOB	5W
0238	VA6RF	559	AB	EARL	5W
0239	N0TK	559	CO	DAN	5W
0241	KI0II	559	CO	TOM	5W
0242	KJ6CA	589	CA	BOB	1W
0243	KR5C	559	TX	GEORGE	5W
0245	N0SXX	559	CO	GARY	5W
0246	WA7LNW	579	UT	JACK	5W
0247	AA7EQ	559	AZ	BOB	5W
0252	KG6CYN	579	CA	TREV	5W
0252	N0UR	559	MN	JIM	5W
0255	N0RC	559	CO	ROD	5W
0256	K2MV	569	NJ	MIKE	5W
0257	WR5O	559	TX	DAVE	5W
0259	W0UFO	559	MN	MERT	5W
0301	K0PC	559	MN	PAT	5W
0304	AK7Y	559	AZ	GREG	5W
0308	NK9G	559	IL	RICK	5W
0309	N2WW	559	CO	LARRY	5W
0311	K5ZTY	599	TX	BILL	5W
0313	W8RU	559	MI	RON	5W
0315	N5PT	569	OK	PAUL	5W
0316	WA9TZE	559	WI	JIM	5W
0319	N0DSP	599	CO	TOM	5W

0320	AK1P	559 CA PAUL	5W
0324	N70G	559 UT KEN	5W
0325	K7EL	559 OR DAVE	5W
0328	W5USJ	559 TX CHUCK	5W
0331	W9UQB/7	559 AZ MIKE	5W
0338	NM5M	559 TX ERIC	5W
0341	WE9K	559 WI GLENN	5W
0348	K5E0A	559 LA WAYNE	5W
0355	N9AW	559 IL GARY	5W
0356	KD7CTF	559 OR LEE	5W
0357	W1HIJ	569 CA BILL	100W

--

See you in SS. The QRP Bull K6TTX will be doing a short stint on the higher bands.

K7GT d.b.a. K6TTX in SS test

Allan G Taylor

agtaylor@llnl.gov

Date: Fri, 2 Nov 2001 23:52:13 +0100
 From: "Leo Starrenburg PE10BG" <pe1obg@home.nl>
 To: <QRP-L@Lehigh.EDU>
 Subject: [110387] English course
 Message-ID: <008601c163f1\$03880ac0\$680d33d5@mill11.lb.nl.home.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

LS

My employer gives his workers the oppertunity to take an English course. It's free and during working hours so i joined on the spot. It's a very nice class, mostly made up of young and clever female R&D employees (and the odd bold technician..).

We were asked to make a presentation, i opted for the Elecraft Powerpoint Slide Set. I'll take my K's along and try to convince the audience i put it

together myself.

73' Leo, originator of the Reflector torroid thread abt a year-and-a-half ago....

ps: tomorrow i'll make a 30~40 dB pre-amp for the electret element .

Date: Fri, 02 Nov 2001 18:01:12 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "Brice D. Hornback" <bdh@cyberbound.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [110388] Re: QRP Frequencies
Message-ID: <3BE325B8.3B8C5C78@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brice,

While you're at it, I humbly suggest you go back to school and take a remedial reading class. No where did I say that contests meant so much to me. I said contests mean that much to some. Your remarks border on slander!

It happens I am a competitive person. I am proud of my competitive spirit. BUT I complete within the rules. I don't try to hold frequencies when I cannot. I don't run excessive power. I also believe if I am going to waste my time competing, that it helps my frame of mind and my success if I use the best equipment available for the job, whether it is in a QRP or a QRO contest!

73

Date: Fri, 02 Nov 2001 18:03:49 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Garie Halstead <k8kfj@ntelos.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [110389] Re: QRP Frequencies
Message-ID: <3BE32655.742AE7A1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Garie,

>

> So I can operate SSB on 14005 and not hear from the FCC? KOOL!!!!

>

No, you idiot, there are federal laws that say that you cannot do that.

They are written in Part 97. Read that!

Date: Fri, 2 Nov 2001 15:18:04 -0800

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: <k8kfj@ntelos.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [110390] Re: QRP Frequencies

Message-ID: <00fa01c163f4\$a08c3dc0\$4d0df4d8@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Garie,

I'm pretty sure that he was refering to the gentlemen's agreements, not the FCC Band Plan / allocations. Try operating SSB down there and you're sure to get a little pink piece of paper in the mail. Ed is correct that 7.040 has been an RTTY calling frequency for longer than it has been a QRP frequency, but it doesn't seem to be a huge issue except for once in a while you'll get the odd RTTY station. Not real common out West, but it may be more of an issue on the East Coast.

72/73

Trev

KG6CYN

----- Original Message -----

From: Garie Halstead <k8kfj@ntelos.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, November 02, 2001 1:00 PM

Subject: Re: QRP Frequencies

> On Friday, 02 November 2001, Bruce Muscolino wrote:

>

> > A bandplan is merely an agreement on where to put

> > whom. It has NO LEGAL STATUS, it NEVER would have any.

>

> So I can operate SSB on 14005 and not hear from the FCC? K00L!!!!
>
> 72 file://Gary *K8KFJ*

Date: Fri, 2 Nov 2001 15:21:39 -0800 (PST)
From: agtaylor@llnl.gov
To: qrp-1@lehigh.edu
Subject: [110391] QRP Bull pulls up lame
Message-ID: <200111022321.PAA12062@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

K6TTX has withdrawn from the Running of the QRP Bulls.

Call it battle fatigue in chief op K7GT.

Will still be in SS but not trying it QRP. I am sure N6WG will
be glad to give you rare EB section.

dit dit didih

Allan G Taylor

Date: Fri, 2 Nov 2001 18:23:27 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110392] RE: QRP Frequencies
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3ACD@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

In most countries of the world, the regulations basically say "these are
your band edges -- stay within them." This has worked very well for
Canadians, the nearest neighbor to many of us. On 40 M, the SSB activity is
almost always on the upper part of the 7.0-7.1 MHz segment, with the major
exception being the major phone contests. I see those the same way I see
downtown Newington the day of the parade. Sometimes parts of my life fill
up with people doing a different thing than my thing.

If we look at the handwriting on the wall, the FCC has been moving in this direction and I would be shocked if they ever do a "hard-coded" mode allocation again. With that in mind, we sure need to refine our skills at the social methods of mode/band sharing.

I figure I can live with it; there IS life outside of ham radio, and even if not for some, there is always 30 meters! :-)

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Trevor Jacobs [mailto:fxtech@earthlink.net]
> Sent: Friday, November 02, 2001 6:18 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Frequencies
>
>
> Garie,
>
> I'm pretty sure that he was refering to the gentlemen
> agreements, not the
> FCC Band Plan / allocations. Try operating SSB down there and
> you're sure to
> get a little pink piece of paper in the mail. Ed is correct
> that 7.040 has
> been an RTTY calling frequency for longer than it has been a
> QRP frequency,
> but it doesn't seem to be a huge issue except for once in a
> while you'll get
> the odd RTTY station. Not real common out West, but it may be
> more of an
> issue on the East Coast.
>
> 72/73
> Trev
> KG6CYN
> ----- Original Message -----
> From: Garie Halstead <k8kfj@ntelos.net>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Friday, November 02, 2001 1:00 PM
> Subject: Re: QRP Frequencies
>
>
> > On Friday, 02 November 2001, Bruce Muscolino wrote:
> >
> > > A bandplan is merely an agreement on where to put
> > > whom. It has NO LEGAL STATUS, it NEVER would have any.
> >
> > So I can operate SSB on 14005 and not hear from the FCC? KOOL!!!!
> >
> > 72 file://Gary *K8KFJ*
>

Date: Fri, 2 Nov 2001 18:25:19 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'agtaylor@llnl.gov'" <agtaylor@llnl.gov>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [110393] RE: QRP Bull pulls up lame
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3ACE@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Good luck in the 'test with whatever operating you choose to do. I will look for you in the A or B categories. Do try to give the Bulls as many contacts as you can. I worked a number of B stations on Sunday afternoon!

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: agtaylor@llnl.gov [mailto:agtaylor@llnl.gov]
> Sent: Friday, November 02, 2001 6:22 PM
> To: Low Power Amateur Radio Discussion
> Subject: QRP Bull pulls up lame
>

>
> K6TTX has withdrawn from the Running of the QRP Bulls.
>
> Call it battle fatigue in chief op K7GT.
>
>
> Will still be in SS but not trying it QRP. I am sure N6WG will
> be glad to give you rare EB section.
>
> dit dit didih
>
>
> Allan G Taylor
>
>

Date: Fri, 2 Nov 2001 23:41:01 -0000
From: "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [110394] Re: Example of Reciprocity
Message-ID: <003601c163f7\$d75db880\$642387d9@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Subject: Example of Reciprocity

> W0 XXX DE W2AGN FB OM UR 599 HERE IN NJ HW? BK
> W2AGN DE W0XXX R UR ALSO 599 FB SIG HR. RIG IS FT1000MP AT 200W INTO 4 ELE
AT
> 90 FT BK
> DE W2AGN R FB RIG HR USING HB 5 WATTS INTO DIPOLE AT 20 FT HW?
> W2AGN DE W0XXX SRI OM QSB ES QRM NO CPY UR SIG VY WEAK 73 SK DE W0XXX AR

Precisely my experience of Reciprocity....

73, Deni GM3SKN Shetland Islands UK EU 012 G-QRP 10774
K2 1188 Fists 2817 ARS 827 ARCI 10659

- - - -

Date: Fri, 2 Nov 2001 18:43:31 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [110395] How to be a little gun in a big gun contest
Message-ID: <125490A005E3D3118C9C00805FC743CC023B3ACF@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi, Guys and gals,

Experienced SS ops can skip this one, but in case there are any newcomers, I wanted to offer some of my experiences as a low-power, little-gun station. My home station this year will be my Ten Tec Omni D, 5 W, with either a 40-meter inverted vee up 50 feet at the apex and/or a 20-meter, 3-element Yagi up about 25 feet. (This is the "fishing pole" Yagi recently featured in QST.) The latter is a "maybe," as the SWR was way too high when I tried to use it last week, but I will try to find some troubleshooting time. Unfortunately, I am off next week to Baltimore for an IEEE C63 "RFI" committee meeting and won't have a lot of free time this weekend.

Now, for those QRPers who want to try it as Matadors, or as Bulls with modest stations, I will offer a few of my experiences. First and foremost, pretend you are a big gun! If you are in search and pounce mode, send you call once. If answered, send your exchange once. If the other op is a big gun, he will almost certainly copy you right the first time. If he wants a fill, he will ask "NR? SEC? PREC? etc. If so, give JUST the number, section or your precedent -- the latter almost certainly will be Q. Under these circumstances, I would find it acceptable to send only the requested data twice. Among the complaints I hear from the big guns about QRP stations is that they send /QRP after their calls in contests (he really doesn't care, and will know you are QRP when you send Q), that they send the exchange more than once and that if asked for a piece in the exchange, they send the whole exchange. The Big Guns are starting to notice us; let's make sure the notice us in a positive way.

The other technique, whether search and pounce or calling CQ as a QRP, is to start on the least busy bands. If you get on 20 meters the first few hours of the contest, you and the 100-watt A stations will be competing for the same big gun CQers. You will lose most of the time. That might be a good time to try 10 meters, maybe 40 meters in the daytime and even 80 meters! Some of the multi-op stations have some poor soul on 80 meters, CQing his heart out and your 5 watt signal will sound mighty loud to him.

On Sunday afternoon, the busy bands will be a bit more available to you,

with many of the big guns having played out the band and getting far fewer answers to their CQs. At that point, you can search and pounce with impunity, or at least with reasonable results.

Don't forget the last hour of the contest. That has often been my most productive, either as an S&P or a CQing station. Many who intended to work the SS finally manage to squeeze in an hour at the end and there will be some fresh blood.

Now, as to CQing in the SS, timing is everything. Those first few hours are filled with lots of stations that will later give up, or will at least switch to S&P mode. Not the best time to CQ. If you can only operate the first hours of the contest, same suggestion as above -- pick the least occupied band, find a hole and give it a go. Do NOT expect an answer from every CQ -- at QRP with a modest station, I have gone every 10th CQ and gotten a better rate than search and pounce. Stay on one frequency until you get driven off, and give it at least 15 minutes before you panic. If you try to get that choice spot 26 kHz up from the bottom band edge, you are going to lose. You can either go well up the band, where it starts to thin out a bit, or below 25 kHz if you hold an Extra. Do watch out, though, there are often guys below 25 kHz trying to do non-contest things and respect their right to continue their QSOs.

The big time for most of the Bulls should be Sunday afternoon until the contest ends. That is the time that you will actually be able to hold frequencies calling CQ, maybe for 15 or 20 minutes at a time before one of the B stations takes over your frequency (hey, this is NOT fair, but expect it). If your goal as a Bull is to give your fellow QRPers some Q contacts, stick with it; you can indeed make QSOs. Last year, I operated a couple of hours, doing nothing but calling CQ and I passed out about 100 contacts. (I meant to do a lot more, but stuff happens!)

Well, those are just a few observations from someone who has been QRP in the SS, with power as low as 10 milliwatts, for the past 10 years or so. Now, don't do what I didn't do a number of those years -- SEND IN A LOG. I never realized how important that is to the cause, even if just a few contacts. We REALLY got their attention last year when they received more Q entries than B entries. Let's do it again. And spread the word on this to the other QRP reflectors.

Thanks for all, guys; you make QRP fun!

73,
Ed Hare, W1RFI
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> -----Original Message-----
> From: agtaylor@llnl.gov [mailto:agtaylor@llnl.gov]
> Sent: Friday, November 02, 2001 6:22 PM
> To: Low Power Amateur Radio Discussion
> Subject: QRP Bull pulls up lame
>
>
> K6TTX has withdrawn from the Running of the QRP Bulls.
>
> Call it battle fatigue in chief op K7GT.
>
>
> Will still be in SS but not trying it QRP. I am sure N6WG will
> be glad to give you rare EB section.
>
> dit dit didih
>
>
> Allan G Taylor
>
>

End of QRP-L Digest 2361

